

~~CONFIDENTIAL~~

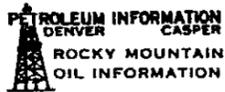
P-W

WILLET #1 STATE
SW/4NW/4 S24-T20N-R5E
Cocodog County

313

ARIZONA
COCONINO CO.
WILDCAT (W)

313



Twp 20n-5e
Section 24
SW NW
1537 s/n 1230 e/w

OPR: George E. Willett

WELL #: 1 SDD-State

ELEV: 7199 Gr

DSTS. & CORES:

SPUD: 6-6-65

COMPL:

TOPS: Log-Sample

TD: 3781

PB:

CSG: 14" @ 240 w/200

PERF-

PROD. ZONE:

Contr: Own

INIT. PROD:

SD. Operations
susp indefinitely.

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ1-665120

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator **GEORGE E WILLETT** Address **BOX 548 LEMOORE, CALIF. 93245**

Federal, State or Indian Lease Number or name of lessor if fee lease **STATE LEASE 8219** Well Number **1 SDD** Field & Reservoir **WILDCAT**

Location **1537'fn & 1230 FWL's of section** County **COCONINO**

Sec. TWP-Range or Block & Survey **24-T20N-R5E** **GILA & SALT RIVER SURVEY**

Date spudded **6-6-65** Date total depth reached **12-6-65** Date completed, ready to produce **none** Elevation (of RKB, RT or Gr.) **7199 GL** Elevation of casing hd. flange **7202 CT** **RTDF 7210**

Total depth **3781** P.B.T.D. **--** Single, dual or triple completion? **--** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **--** Rotary tools used (interval) **2975-3781** Cable tools used (interval) **0-2975**

Was this well directionally drilled? **--** Was directional survey made? **--** Was copy of directional survey filed? **--** Date filed **--**

Type of electrical or other logs run (check logs filed with the commission) **NONE** Date filed **--**

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	15 1/2"	14"	27.66	248	100	none
Water S O	12	10 3/4	21.15	1912	100	none
WATER S O	10	8 5/8	16.90	2275	350	none
WATER S O	8	7	20	2675	74	none

TUBING RECORD LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.	ft.	

PERFORATION RECORD ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production **--** Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) **--**

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	° API (Corr)

Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
			bbls.	MCF	bbls.	

Disposition of gas (state whether vented, used for fuel or sold): **--**

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the... **PETROLEUM GEOLOGIST** ...of the **GEORGE E WILLETT** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date **APRIL 7, 1966** Signature **John K. Petty**
 John K. Petty

Permit No. **313** STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
 Well Completion or Recompletion Report and Well Log
 Form No. 4 File One Copy

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
<p>THIS PROJECT IS BEING CHANGED (OPERATOR, BOND) OVER IN OWNERSHIP FOR COMPLETION PURPOSES AND THE LOG DETAIL OF FORMATIONS PENETRATED AS WELL AS OTHER LOGS RUN WILL BE FILED WHEN THE WORK IS CONSUMATED.</p>			

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.
 This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Sample Log

 **KERR-MCGEE CORPORATION**
612 PETROLEUM BUILDING • P. O. BOX 600
AMARILLO, TEXAS 79105

April 17, 1969

PHONE
806 376-5693

Mr. J. R. Scurlock
Arizona Oil & Gas Conservation Commission
1624 West Adams - Room 202
Phoenix, Arizona 85007

Dear Jim:

I am enclosing a copy of the rough sample log I made when I examined the samples on the Willett well in 24-20N-5E, Coconino County, Arizona.

(4) The Mississippian top is at 2745'. The Mississippian seems to be very thin, as Devonian lithologies appear at about 2785'. The Devonian is unusually sandy in this well. Where to pick the Devonian-Cambrian boundary is a problem. It may be as high as 2980', but is probably at 3145'. Good Tapeats, which is quartzitic in this well, appears at 3395' and apparently persists to the sample T.D. of 3775'. Based on these tops, the Cambrian is at least 630' thick.

Hope to see you at the I.P.A.A. meeting in Phoenix.

Yours very truly,

KERR-MCGEE CORPORATION

John

John R. Barwin
District Geologist

See Sample Logs. (Two)

JRB:sg

encl.



313

X - Lambert Log
X - Chrono Log

March 24, 1969

Mr. John R. Barwin
Kerr-McGee Corporation
612 Petroleum Building
P. O. Box 600
Amarillo, Texas 79105

Re: Willett SDD #1 8219
T20N, R5E, G & SRM
Sec. 24: SW/4 NW/4
Coconino County, Arizona
Permit #313

Dear John:

I am sorry to say that one of the tragedies of our times is the lack of information on this strategic well. I send you this copy of the sample log for what it is worth; but fear that it will have no substantial data that will be of use to you. Such a shame, and the more so, of course, inasmuch as the geologist on this well was a former employee of this office, John Petty. To our knowledge, no electric logs were taken, no cores, and no tests. We understand from hearsay that the well reached a depth of approximately 4000', and so I assume that they must have penetrated the pre-pennsylvanian section.

Sorry I can't be of more help to you.

Yours truly,

James Scurlock
Geologist

JS:jf
Enc.



KERR-MCGEE CORPORATION

612 PETROLEUM BUILDING - P. O. BOX 600
AMARILLO, TEXAS 79105

March 20, 1969

PHONE
805 376-5693

Mr. J. R. Scurlock
Arizona Oil & Gas Conservation Commission
1624 West Adams, Room 202
Phoenix, Arizona 85007

Dear Jim:

I have located the samples on a well drilled by George Willett in the SW NW Section 24-20N-5E, Coconino County, Arizona. We cannot, however, find any other data on this test.

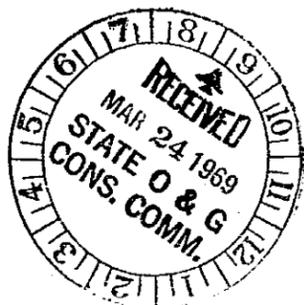
Do you have logs, either electric or sample, or additional information on this well? We would appreciate any pertinent data.

Yours very truly,

KERR-MCGEE CORPORATION

John R. Barwin
District Geologist

JRB:sg



January 15, 1969

Mr. E. H. McGavock, Hydrologist
United States Department of the Interior
U.S. Geological Survey
Water Resources Division
P.O. Box 253
Flagstaff, Arizona 86001

Dear Mr. McGavock:

Thank you for your letter of January 14, 1969 regarding completion of the "Willett oil test" located southwest of Flagstaff in Section 24, T 20 N, R 5 E.

The information is very helpful and your cooperation is appreciated.

Sincerely,

John Bannister
Executive Secretary

/vb



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Water Resources Division

January 14, 1968⁹

Oil and Gas Conservation Commission
Room 202
1624 West Adams
Phoenix, Arizona 85007

Attention: Mr. Bannister

Dear Sir:

Mr. James Scurlock, of your staff, recently contacted me concerning the completion of the "Willett oil test" located southwest of Flagstaff in Section 24, T 20 N, R 5 E. I understand that it will be very difficult to plug this hole to total depth (about 4000 feet), but there is some concern about the quality of water in the Mississippian and Devonian strata penetrated by this hole.

Our published maps indicate that ground water in the Mississippian and Devonian rocks moves south from the "Willett oil test" and discharges to wells and springs in the Verde Valley. Chemical analyses of the water from some of these wells and springs show a range in total dissolved solids from 307 to 441 parts per million. One of the principal discharge points for water in the Mississippian rocks is Summers Spring in Section 5, T 17 N, R 3 W. An analysis of water from this spring showed a total dissolved solids content of 307 parts per million, mainly calcium and bicarbonate.

The information above is not conclusive evidence, but I believe that the danger of poor quality water in the oil test is minimal.

Sincerely,

E. H. McGavock

E. H. McGavock
Hydrologist



SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator GEORGE E WILLETT
 2. OIL WELL GAS WELL OTHER (Specify) WILD CAT NOT COMPLETED
 3. Well Name GEORGE E WILLETT # 1 SDD ARIZONA STATE
 Location 1532 FN & 1230 RWL's SECTION
 Sec. 24 Twp. 20N Rge. 5E County COCONINO, Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease. STATE LEASE 8219

5. Field or Pool Name _____

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FEBRUARY 3, 1966-----T. D. 3781 W O R

APRIL 6, 1966 ****-----T. D. 3781 W O R

APRIL 7, 1966 -----T. D. 3781 COMPLETED AND in process of being tested for petroleum or helium and recompleted by probable new owner.

8. I hereby certify that the foregoing is true and correct.

Signed

John K. Petto
John K. Petto

Title

PETROLEUM GEOLOGIST

APRIL 7, 1966

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies

Form No. 25

Permit No. 313

3

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator George E WILLET

2. OIL WELL GAS WELL OTHER (Specify) φ well

3. Well Name Geo. Willet #1 500 ft 2011 24

Location 1537 W 1/2 1230 NW 1/4 NW 1/4

Sec. 24 Twp. 20 N Rge. 5 E County Cochise Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease State # 8219

5. Field or Pool Name W C

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

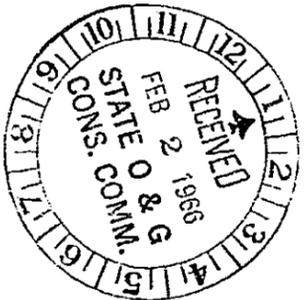
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Dec 23, 1965 - T.D. 3781 Waiting on orders.

Dec 23, 1965 - Feb 3, 1966 T.D. 3781 Waiting on orders.



8. I hereby certify that the foregoing is true and correct.

Signed John K. Petty Title Consulting Geol. Date Feb 3, 1966

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
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Permit No. 313

Form No. 25

GEORGE WILLET # 1 SDD ARIZONA STATE DAILY LOG

BY JOHN PETTY

Dec. 11 (Fri.)	T.D. 3781 M.R.R. to Flagstaff
Dec. 12 (Sat.)	T.D. 3781 Waiting on orders
Dec. 13 (Sun.)	T.D. 3781 Waiting on orders
Dec. 14 (Mon.)	T.D. 3781 Waiting on orders
Dec. 15 (Tues.)	T.D. 3781 Waiting on orders
Dec. 16 (Wed.)	T.D. 3781 Waiting on orders
Dec. 17 (Th.)	T.D. 3781 Waiting on orders

18 Fri ✓

19 Sat ✓

20 Sun ✓

21 Mon ✓

22 Tues ✓

GEORGE WILLETTS 1 SDD ARIZONA STATE DAILY LOG
 BY JOHN BETTY

Nov. 18 (Wed.) Rigging down C.T.
 Nov. 19 (Th.) Rigging down C.T.
 Nov. 20 (Fri.) Rigging down C.T. and moving off location
 Nov. 21 (Sat.) Finish moving off location and cleaning up drill site
 Nov. 22 (Sun.) W. O. R.
 Nov. 23 (Mon.) M.I.R.
 Nov. 24 (Tue.) M.I.R.
 Nov. 25 (Wed.) W.O. Roads & Rotary
 Nov. 26 (Th.) W.O. Roads & R.U.R.
 Nov. 27 (Fri.) R.U.R.
 Nov. 28 (Sat.) ϕ 2982 to 2995 Rotary measurements D.F. 7209 for Rot 7199 CT D.F. T.D. 2975 CT. Drilled with 6 $\frac{1}{4}$ " W 7 R Chert bit, didn't find the 20" metal left in hole & jarred on two hours. No trouble reaming 6" hole with 6 $\frac{1}{4}$ " bit. No lost circulation. At one point water was gained.
 Nov. 29 (Sun.) ϕ 2995 - 3104 Drilled W/Water 6 $\frac{1}{4}$ " bit W 7 R Drilled through poss metal and didn't have metal in sample returns. Evidently metal in crevice. Rig time \$900 per diem Button bits \$975 Shale
 Nov. 30 (Mon.) ϕ 3104 - 3205
 Dec. 1 (Tue.) ϕ 3205 - 3296 Sand & Quartzite
 Dec. 2 (Wed.) ϕ 3296 - 3473 Green Shale
 Dec. 3 (Th.) ϕ 3473 - 3579 Chert, Shale & Sand
 Dec. 4 (Fri.) ϕ 3579 - 3629 Chert, Sand, Shale
 Dec. 5 (Sat.) ϕ 3629 - 3781 Chert, Sand, Shale
 Dec. 6 (Sun.) T.D. 3781 Lost Circulation, could not be regained
 Dec. 7 (Mon.) T.D. 3781 Rigging down Rotary Rig
 Dec. 8 (Tue.) T.D. 3781 R.D.R.R.
 Dec. 9 (Wed.) T.D. 2781 Moving Rotary Rig to Flagstaff, (Dye Oxygen)
 Dec. 10 (Th.) M.R.R. to Flagstaff



DRY NOTICES AND REPORTS ON WELLS

1. Name of Operator GEORGE E. WILLET
 2. OIL WELL GAS WELL OTHER (Specify) Oil and Gas Well
 3. Well Name # 1 SDD Arizona State
 Location 1537' FNL & 1230 FWLs
 Sec. 24 Twp. 20N Rge. 5 E County Coconino, Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State 8219
 5. Field or Pool Name Wildcat

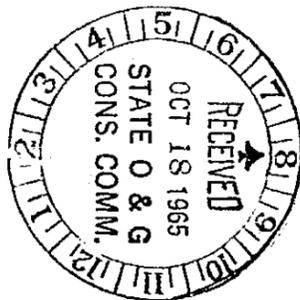
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input checked="" type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	MONTHLY PROGRESS	<input checked="" type="checkbox"/>
(OTHER)	<input type="checkbox"/>		(OTHER)		<input type="checkbox"/>

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Ran Range 3, 7 OD Welded Casing ~~5~~ 6.436" I D, .228" W.T., 20 lb/ft, 33 ft. joints G.F.I. casing Pueblo, Colo. for water shut off. Set with 74 sx cement 3% gal. Circulated to surface 2.5 minutes after beginning pumping in casing. Pumped plug to bottom of casing. Halliburton did the cementing. Closed upper casing to prevent plug from coming back thus endangering cement project. Cement set 115 hours as rig, ~~etc.~~, etc., needed overhauling, and to be partially winterized.



8. I hereby certify that the foregoing is true and correct.

Signed John K. Petty Title Platinum Geologist Date 10-14-65

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

Permit No. 313

From the Desk of

JOHN BANNISTER

Willet #1 Slate

313

11-9-65 Crooked hole

put in 7' of junk

11-10-65 hole apparently
straightened out
drilling ahead

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator GEORGE E WILLETT
 2. OIL WELL GAS WELL OTHER (Specify) Oil and Gas Well
 3. Well Name #1SDD Arizona State
 Location 1537' FNL & 1230 FWLs
 Sec. 24 Twp. 20N Rge. 5E County Coconino, Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease _____
 5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input checked="" type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>						

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- Nov. 18 T.D. 2975 in hard quartzitic sand, 2000 feet fresh W.I.H.
- Nov. 19 R.D.C.T. 48L Rig
- Nov. 20 R.D.C.T. and moving off of site to stack rig.
- Nov. 21 Shut Down W.O.R.R.
- Nov. 22 Shut Down W.O.R.R.
- Nov. 23 M.I.R. (Carmack Drilling Co. of Grand Junction Colorado)
5,000 ft. Rotary Rig.
- Nov. 24 M.I.R.
- Nov. 25 R.U.R.T.
- Nov. 26 R.U.R.T.
- Nov. 27 R.U.R.T.
- Nov. 28 \emptyset 3,000
- Nov. 29 \emptyset 3,100
- Nov. 30 \emptyset 3,200
- Dec. 1 \emptyset 3,300
- Dec. 2 \emptyset 3,400

CONFIDENTIAL

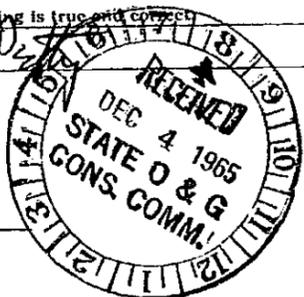
Release Date _____

8. I hereby certify that the foregoing is true and correct

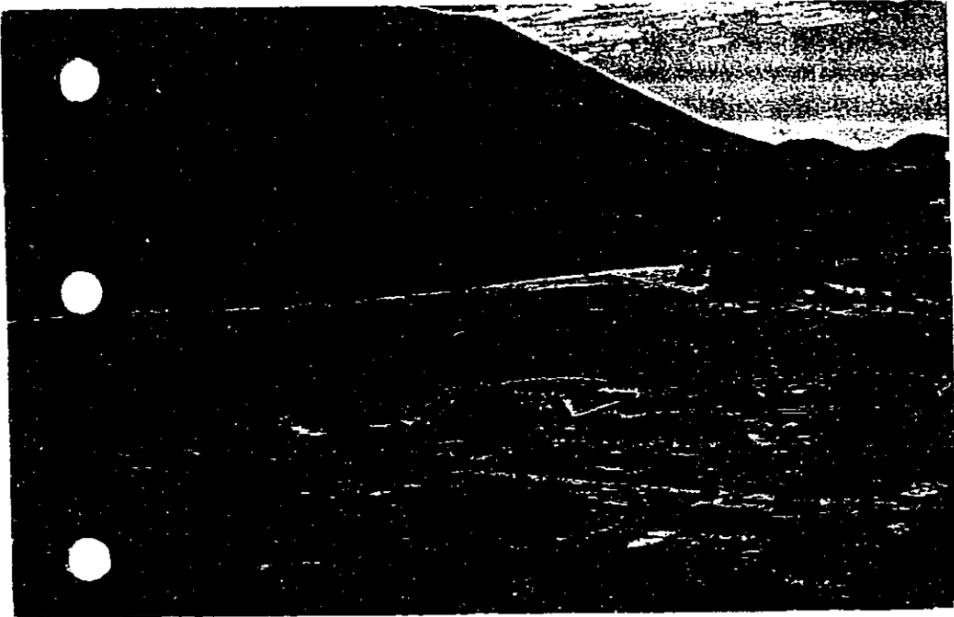
Signed John K. Patton

Title Petroleum Geologist Date Dec. 2, 1965

Permit No. 313



STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25



"BUFFALO PARK, 700 East Cedar Avenue, FLAG-STAFF, ARIZONA. A wild life refuge built and maintained" on land leased from the City of Flagstaff by donations and gate receipts.

Buffet receipt from museum. John W. W.

Received sample from you & Mr. Marge. Will send in next package. We set 240' 9 1/4" (53' with 200' x cord for sniping. Will set 1910 in Super and are setting 10 3/4" 2408

Received sample from you & Mr. Marge. Will send in next package. We set 240' 9 1/4" (53' with 200' x cord for sniping. Will set 1910 in Super and are setting 10 3/4" 2408

Petty



313

to see her
Conservation
 Commission, State of Arizona
 1624 W. Adams
 Phoenix, Ariz.



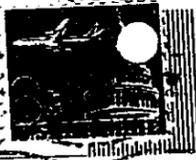
Post Office Station, 602 E. Van Buren, Phoenix, Arizona
 Box 1071

2621



A bird's-eye view of a couple of craters in Northern Arizona. In the foreground is the Sunset Crater National Monument, behind the San Francisco Peaks, nearly 14,000 feet high and home of the Arizona Snow-bowl Skislopes. Both are just a few way 66 out of Flagstaff.

Arizona *Miss Kone's* CARDS

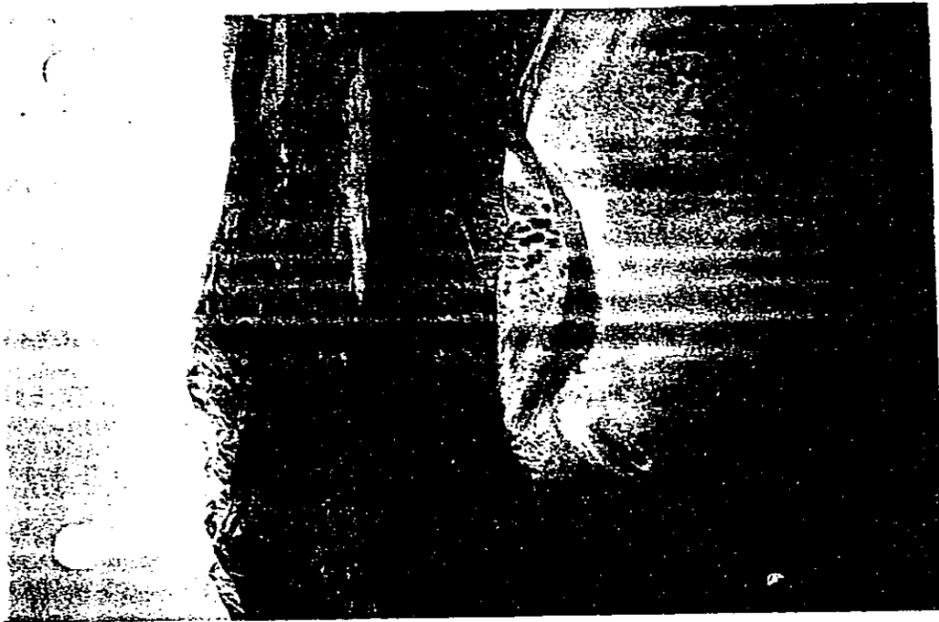


address

Mr. John Bunnister
1624 W. Adams
Phoenix, Arizona



Mr. Bunnister:
The W. West #1 SDD
Arizona State is
drilling ahead in sand
at 1100 feet
Mr. West is releasing
the big gas flow and
is producing
1000 bbl per day



A bird's-eye view of a couple of craters in Northern Arizona. In the foreground is the Sunset Crater National Monument, behind the San Francisco Peaks, nearly 14,000 feet high and home of the Arizona Snow-bowl Skistopes. Both are just a few miles out of Flagstaff.

ARIZONA CARDS



address

Mr. John Brannan, Eye. Serv.
 117 1/2 Gen. Post Office
 State of Arizona
 162 A W.



Ektachrome by R. M. Fronske
 APR 24 1935
 Mr. John Brannan
 Mr. George H. H. H. H.
 1500 Army
 24 - 7242 - 8242
 313
 Studio, Flagstaff, Ariz.

Arizona Snow Bowl Sky Ride



**SKY RIDE
ARIZONA SNOW BOWL
Flagstaff, Arizona**

Used to haul skiers in the winter and sightseers in the summer, this sky ride extends to the top of the San Francisco Peaks, 12,670 feet high. Here we see skiers waiting their turn to ride to the top.

*Dear John &
The WRIGHT #1500 Arizona
State Permit 313 was
granted in with a 15% fee
at 2:45 this afternoon
in Flag & Sandy Kieckhefer
Mountain. About 100 days
will be spent in it. Betty
Suecks, Jan. Betty*

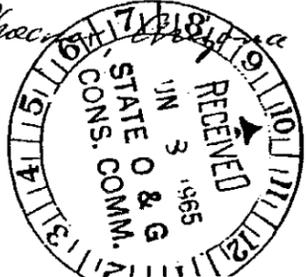
Acta Color by Bob Fetley

Reply

Air Mail

Pub. by Fetley Studios, 4001 E. Van Buren, Phoenix, Arizona

*Mr. John B. ... Exec Sec
1624 W. Adams*



*Phoe...
1021
June 6, 1965*

70912



Boarding the Sky Ride for return trip to the bottom of the famous 12,670 ft. high San Francisco Peak, north of Flagstaff, Arizona

in morning in Cable Tolls yesterday and today.

Will photograph when we start on this will be no more for now.

Will be with you on the Sky Ride.

Will be with you on the Sky Ride.

Will be with you on the Sky Ride.

LAGSTAFF
 JUN 3 1965
 PHOENIX, ARIZONA

RECEIVED
 STATE & COMM. DIV.
 PHOENIX, ARIZONA
 JUN 3 1965

PHOENIX, ARIZONA
 JUN 3 1965

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John Hammer, Exec Sec

1625 W. Van Buren, Phoenix, Arizona

Post Office Box 1071

Flagstaff, Arizona

June 3, 1965



Air Mail

33

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER

APPLICATION TO DRILL DEEPEN PLUG BACK RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR
GEORGE E. WILLETT

DATE
Jan. 25, 1965

Address **P. O. Box #548** **Lemoore** ^{City} **California** ^{State} **93245**

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease SDD Arizona State #8219	Well number 1	Elevation (ground) 7199
Well location and acreage dedicated to the well (give footage from section lines) 1537' FN & 1230' FW1s W2 NW4		Section—township—range or block & survey 24 T20N R5E G&SR
Field & reservoir (if wildcat, so state) WILDCAT	County Coconino	
Distance, in miles, and direction from nearest town or post office 15 Miles Northwest of Flagstaff		
Nearest distance from proposed location to property or lease line: 1230 feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: None	
Proposed depth: Basement 5,000 feet	Rotary or cable tools Rot to 2000. CT to 5,000	Approx. date work will start Immediately
Number of acres in lease: 38,000 2,560.00	Number of wells on lease, including this well, completed in or drilling to this reservoir: None	

If lease, purchased with one or more wells drilled, from whom purchased: Name **--** Address **--**

Status and amount of bond **\$2500. dated 1-25-65** Organization Report On file Or attached **Yes** Filing Fee of \$25.00 Attached **Yes**

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)
--

*Fill in Proposed Casing Program on reverse side

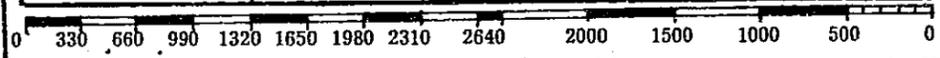
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Petroleum Geologist for GEORGE E. WILLETT (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature John K. Petty
 Date Jan. 25, 1965

Permit Number: **313** ~~306~~
 Approval Date: **1-28-65**
 Approved By: John K. Banister
 Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.
 See Instruction on Reverse Side of Form

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Drill, Deepen or Plug Back and Plat
 File Two Copies
 Form No. 3

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
5. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
6. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
SEE ATTACHED PLAT	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name: <i>John R. Betty</i></p> <p>Position: Geologist</p> <p>Company: GEORGE E. WILLETT</p> <p>Date: Jan 25, 1965</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed: _____</p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p>Certificate No. _____</p>
	

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13 3/8"	45.98	Range 1	0	32	0-32	3 sx
12" OD	45.56	Range 1	0	2600	0-2600	100 sx
5 1/2"	14.5	Range 1&2	0	4600	2600-4600	100 sx

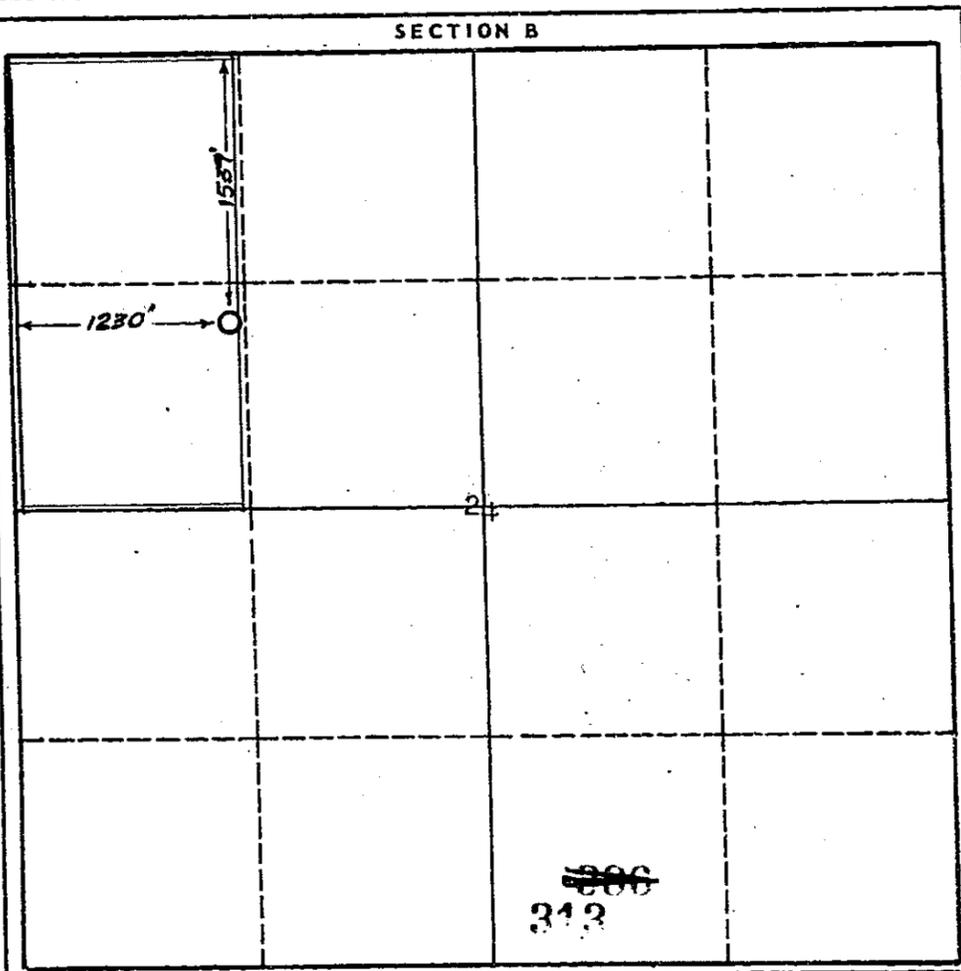
NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
FILE	
U.S.P.	
LAND OFFICE	
TRANSPORTER	
OPERATION OFFICE	
OPERATOR	

WELL LOCATION AND ACREAGE DEDICATION PLAT

SECTION A				
Operator	GEORGE E. WILLETT		Lease	SDD Arizona State
				Well No. 1
Unit Letter	Section 24	Township 20 North	Range 5 East	County Coconino
Actual Forage Location of Well:				
1537 feet from the North line and 1230 feet from the West line				
Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:	
7199		Wildcat	30 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description



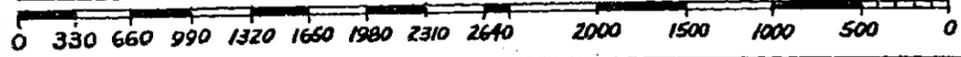
CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name	John K. Petty
Position	Geologist
Company	GEORGE E. WILLETT
Date	1-4-65

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

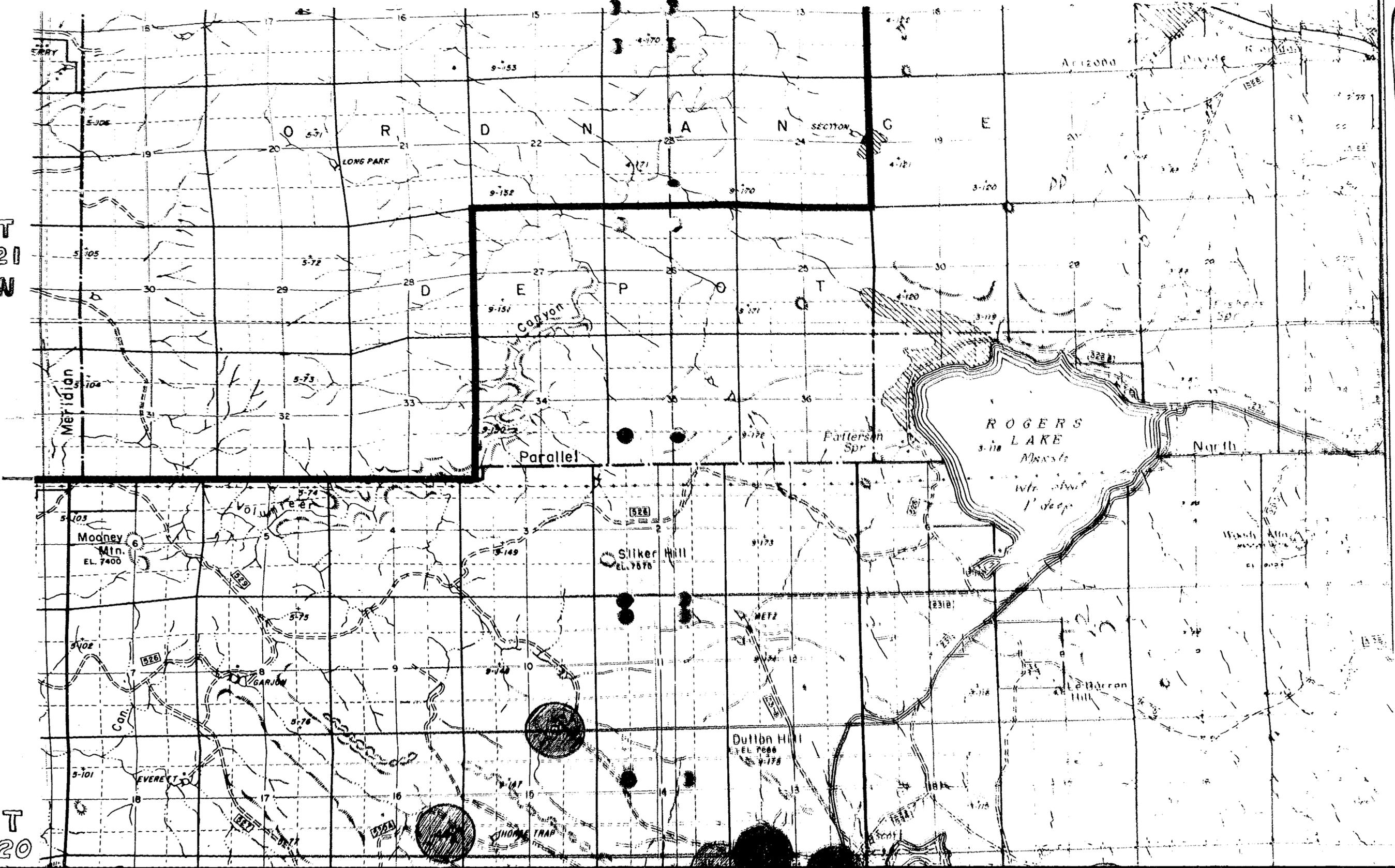
Date Surveyed	12/28/64
Registered Professional Engineer and/or Land Surveyor	<i>George E. Willett</i>
Certificate No.	5047

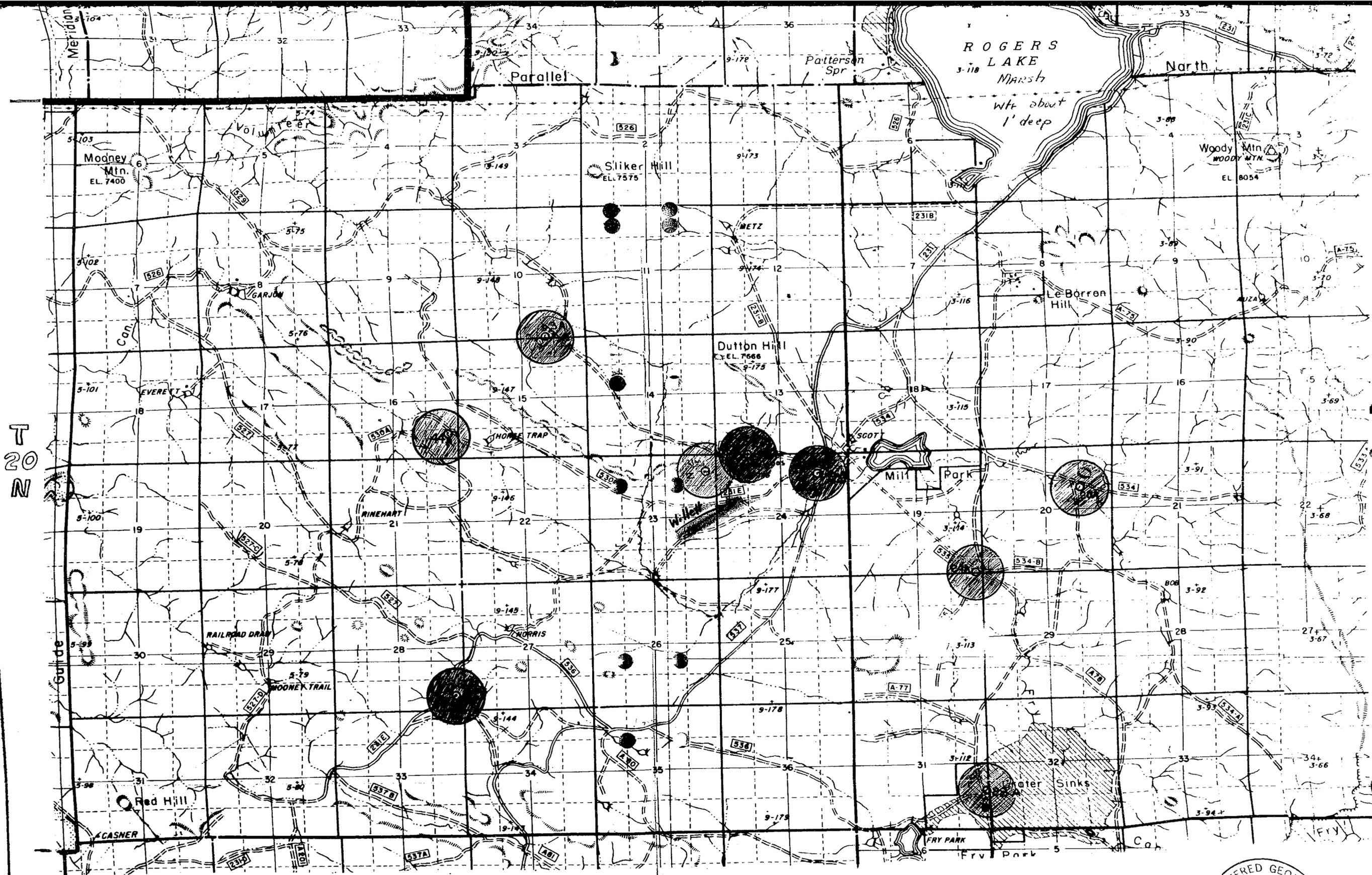


R-5-E

T 21 N

T 20





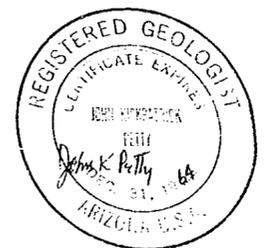
T
20
N

GEORGE E. WILLETT, P. O. BOX #548, LEMOORE, CALIFORNIA

PONDEROSA AREA
Cochino Co. Arizona

Scale: Two inches = One mile
October 1964

UTM GRID AND 1962 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



#313
 File # 306

To Willett:

distance from Highway
 # 66 to location - approx
 12 miles

2124 W. Main St.
 Phoenix, Arizona
 10-21-66

Mr. John Hart, District Forest Ranger
 Flagstaff District
 Coconino National Forest
 P. O. Box #1268
 Flagstaff, Arizona

re: Water Indications in test holes in Flagstaff District

Dear John:

George Willett sends his sincere thanks for your cooperation and suggestions in his exploration program accomplished thus far in your Flagstaff District. He is using surface geology, magnetics and geochemistry and coordination of all, in finding a suitable location on which to drill for petroleum.

As agreed, I am sending a map which shows where there were indications of water in the twenty foot test holes drilled in connection with the Geochemical program.

You'll note the holes indicated in Turquoise color are where water was definitely found. They are marked either by ribbons (Survey markers) on the tree limbs or with a stake or both and the number listed below is on both. Should this means of identification be obliterated which is quite possible (cattle, animals, hunters etc) then you'll find them where they are located on the accompanying map.

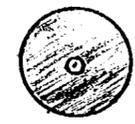
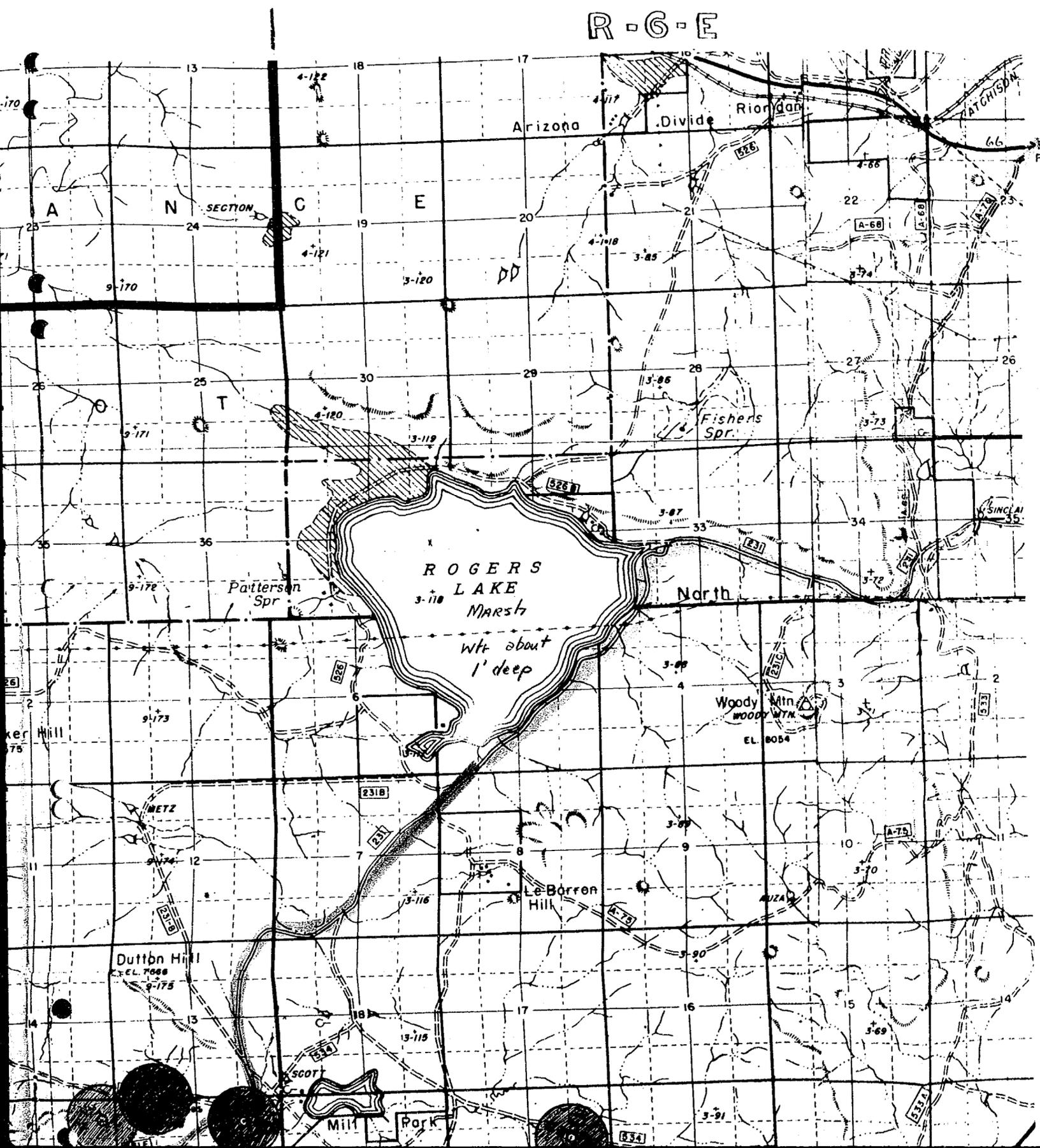
TEST NUMBER	LOCATION AND DESCRIPTION
3A	Located in SESSE section 10-T20N-R5E on the Mill Park--Mooney Mountain road. This test hole had been open several days when last inspected and had more than two feet of water in it.
44A	Located NESESE section 16-T20N-R5E had just over one foot of water in it.
20A	Located NWSENE section 20-T20N-R5E had over one foot of water in it.
24A	Located SESESE section 19-T20N-R6E had around three feet of water.
28A	Located GENESE section 31-T20N-R6E had five feet of water. This came rapidly when drilled.
Z	Located SENENE section 23-T20N-R5E and had two feet of water in it. This test is 22 feet in total depth.

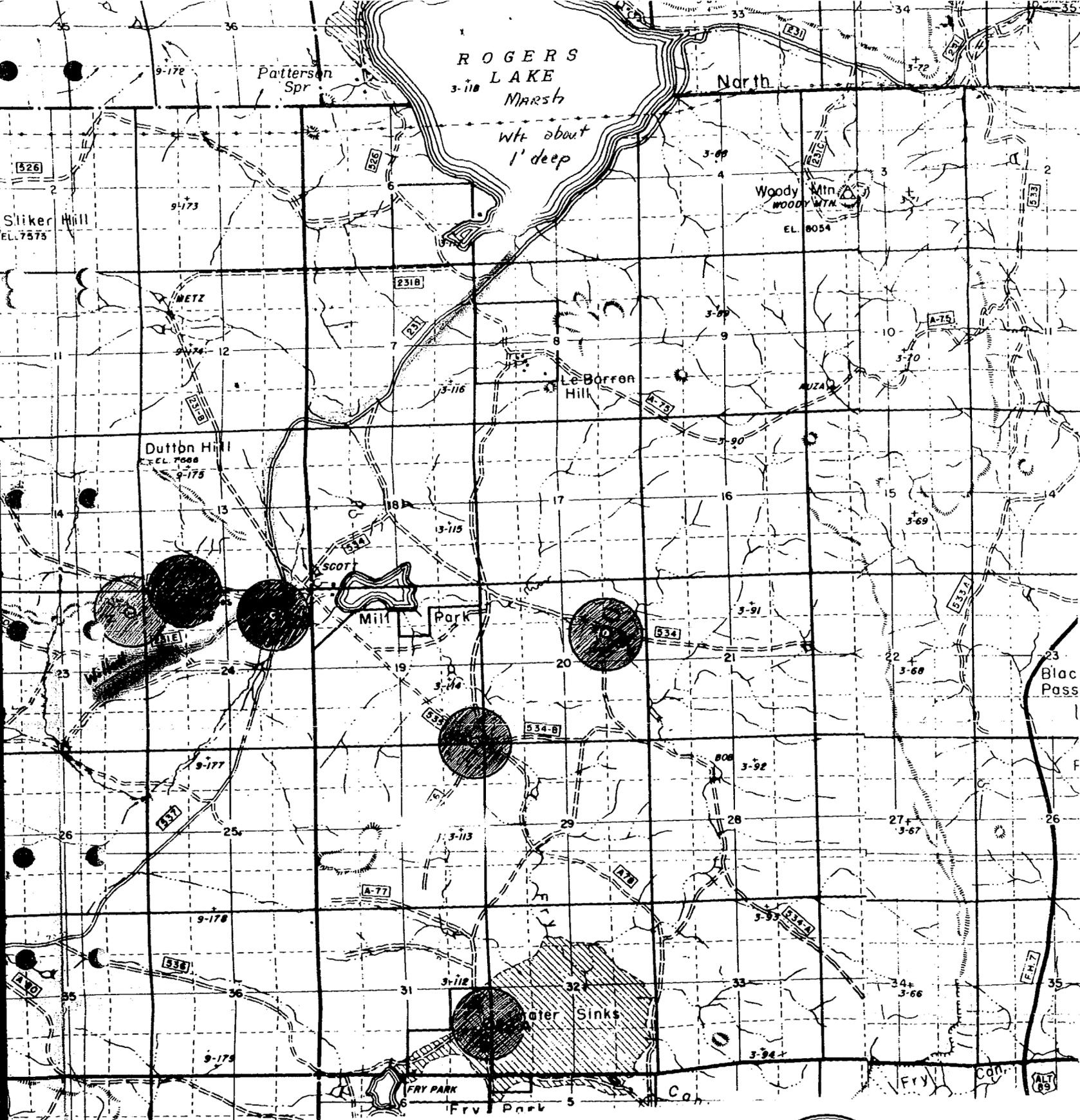
Water was noted in the following test holes when drilled. When they were finally inspected before being filled, they showed no actual water. These holes were filled, however a test in the same spot or in the nearby area would perhaps find water.

Those test holes where the water dried up are indicated in RED on the accompanying map.

TEST HOLE NUMBER	LOCATION AND DESCRIPTION
1A	Located NWNEW section 21-T20N-R5E.
26A	Located SWNENE section 24-T20N-R5E.
60A	Located at the Mill Park road intersection in NESESE section 28-T20N-R5E.

SUMMARY





- find them where they are located on the accompanying map
- | TEST NUMBER | LOCATION AND DESCRIPTION |
|-------------|--|
| 3A | Located in SRSWSE section 10-T20N-R5E on the Mill Park-McCoy Mountain road. This test hole had been open several days when last inspected and had more than two feet of water in it. |
| 44A | Located NESESE section 16-T20N-R5E had just over one foot of water in it. |
| 20A | Located NWSSE section 20-T10N-R5E had over one foot of water in it. |
| 24A | Located SESESE section 14-T20N-R6E had around three feet of water. |
| 28A | Located SENESE section 31-T20N-R6E had five feet of water. This came rapidly when drilled. |
| Z | Located SENENE section 23-T20N-R5E and had two feet of water in it. This test is 22 feet in total depth. |

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SUMMARY

This area is very high structurally and consequently the small number of indications of water for the over one hundred test holes drilled denotes the scarcity of shallow water.

It is suggested that where the water is reported or indicated on the attached map is a fair location to drill for water as we may have just topped the water zone.

Most of these tests were 3 and 3/4ths inches in diameter. The volcanic (Malpais) material drills at the average rate of one foot per minute where it is rhyolitic or tuffaceous and the upper part of the Kaibab lime drills at the rate of one foot in five minutes, however becomes softer with depth.

George Willett said he hoped these water showings would be beneficial to you. He believes in Conservation of Water as well as petroleum.

Yours truly

GEORGE E. WILLETT

By *John K. Petty*
John K. Petty
Petroleum Geologist

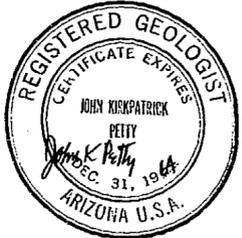
cc: ARIZONA OIL AND GAS CONSERVATION COMMISSIONERS
Chairman Lynn Lockhart, 525 W. Orchid Ln., Phoenix, Ariz.
Vice Chairman R. Keith Walden, P. O. Box #1201, Tucson, Arizona
Mr. Orme Lewis, 9th Fl. Phx T & T Bldg, Phoenix, Arizona
Mr. Lucien B. Owens, 225 W. Erie, Holbrook, Arizona
Exec. Sec. John H. Bannister, Suite 202, 1624 W. Adams, Phoenix, Ariz.
Comm. of Lands, Obed Lassen, 4th Fl. 1624 W. Adams, Phoenix, Ariz.
Senator Harold Giss, Senate Chambers, State Capitol, Phoenix, Ariz.
Mr. Dwayne Miller, Coconino Cattle Company, Sedona, Arizona



GEORGE E. WILLETT, P. O. BOX #548, LEMOORE, CALIFORNIA

PONDEROSA AREA
Coconino Co. Arizona

Scale: Two inches = One mile
October 1964



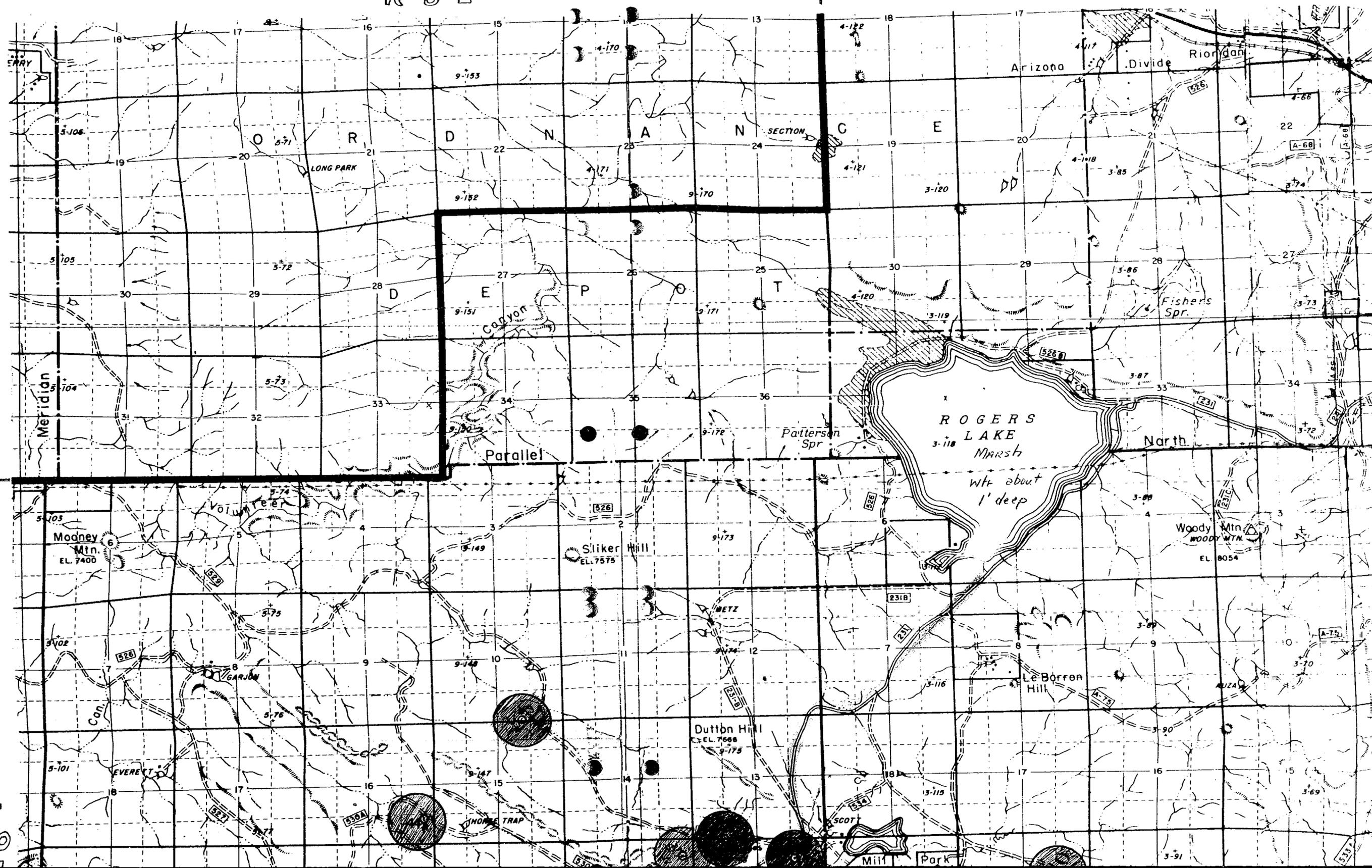
UTM GRID AND 1962 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

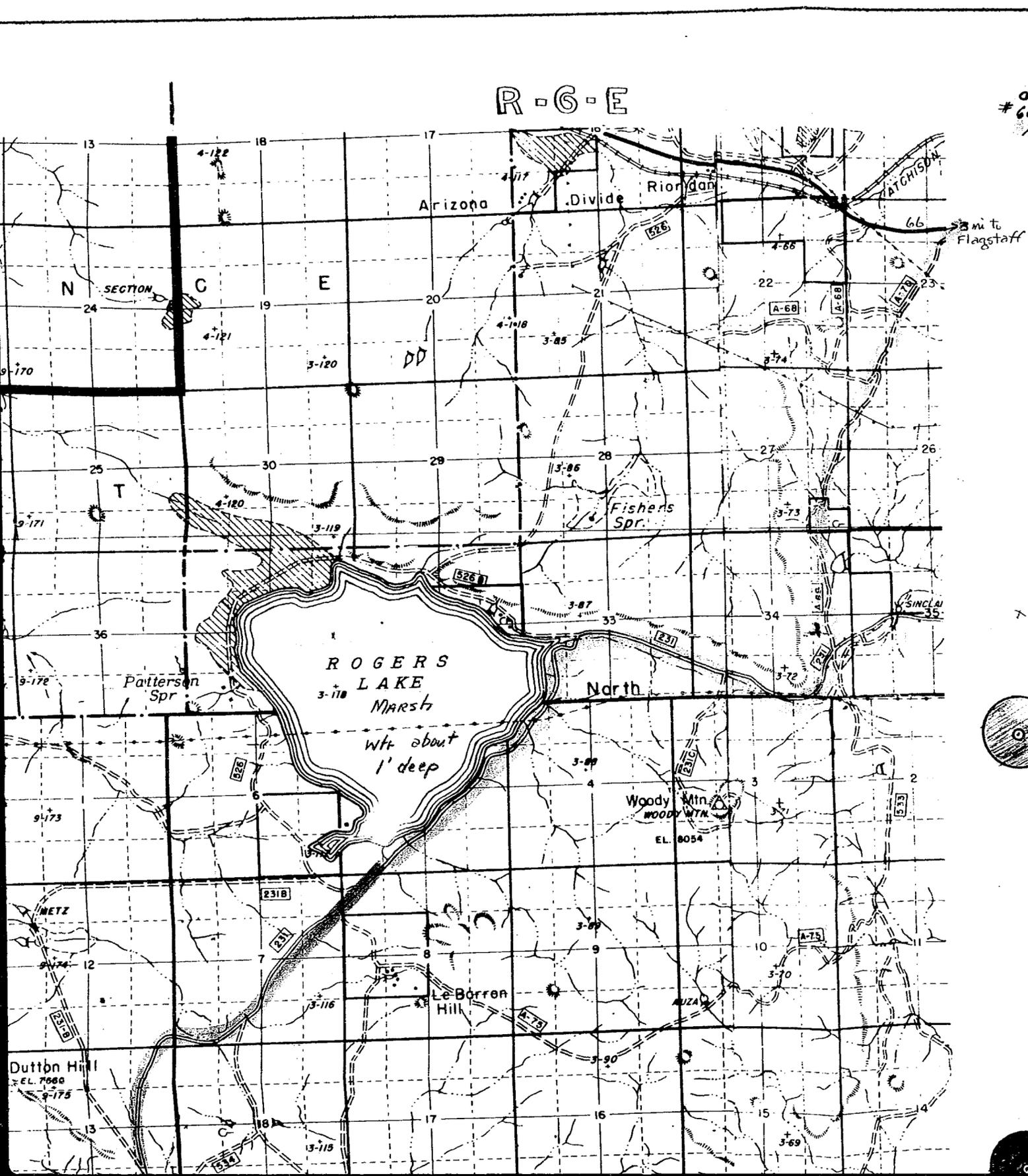
R-5-E

R-6-E

T 21 N

T 20 N





To Willett:
 distance from Highway
 # 66 to location - approx
 12 miles

3/13
 file # 306

2134 W. Kain Dr.
 Phoenix, Arizona
 10-21-64

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 Flagstaff District
 Coconino National Forest
 P. O. Box #1268
 Flagstaff, Arizona

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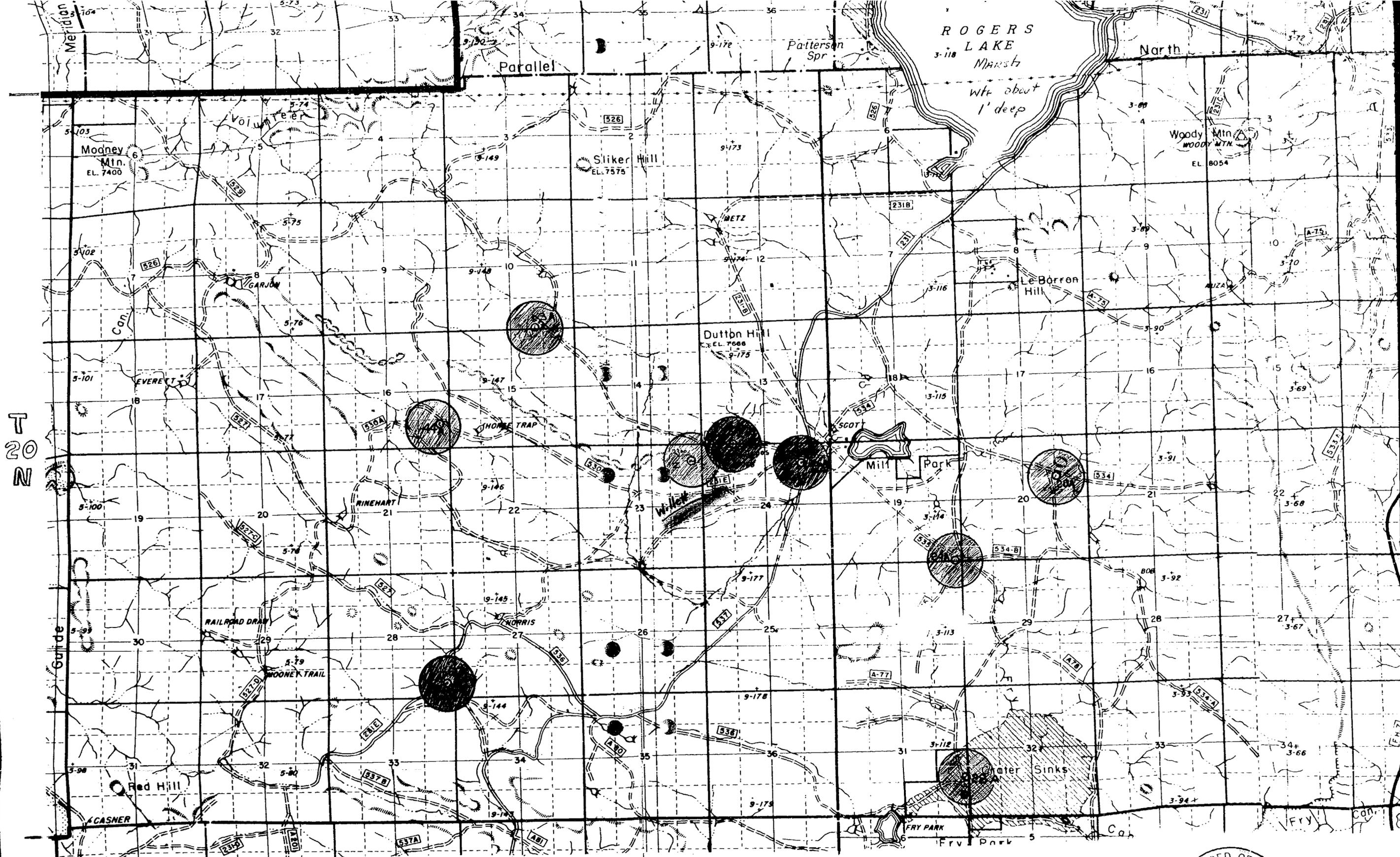
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44A	Located NESE section 16-T20N-R5E had just over one foot of water in it.
20A	Located NWSE section 20-T20N-R5E had over one foot of water in it.
24A	Located SESE section 19-T20N-R6E had around three feet of water.
28A	Located SENE section 31-T20N-R6E had five feet of water. This came rapidly when drilled.
Z	Located SENENE section 23-T20N-R5E and had two feet of water in it. This test is 22 feet in total depth.

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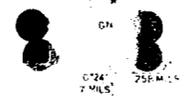


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20
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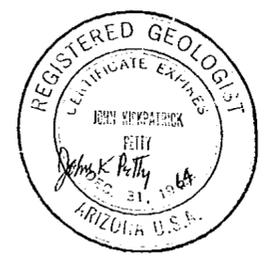
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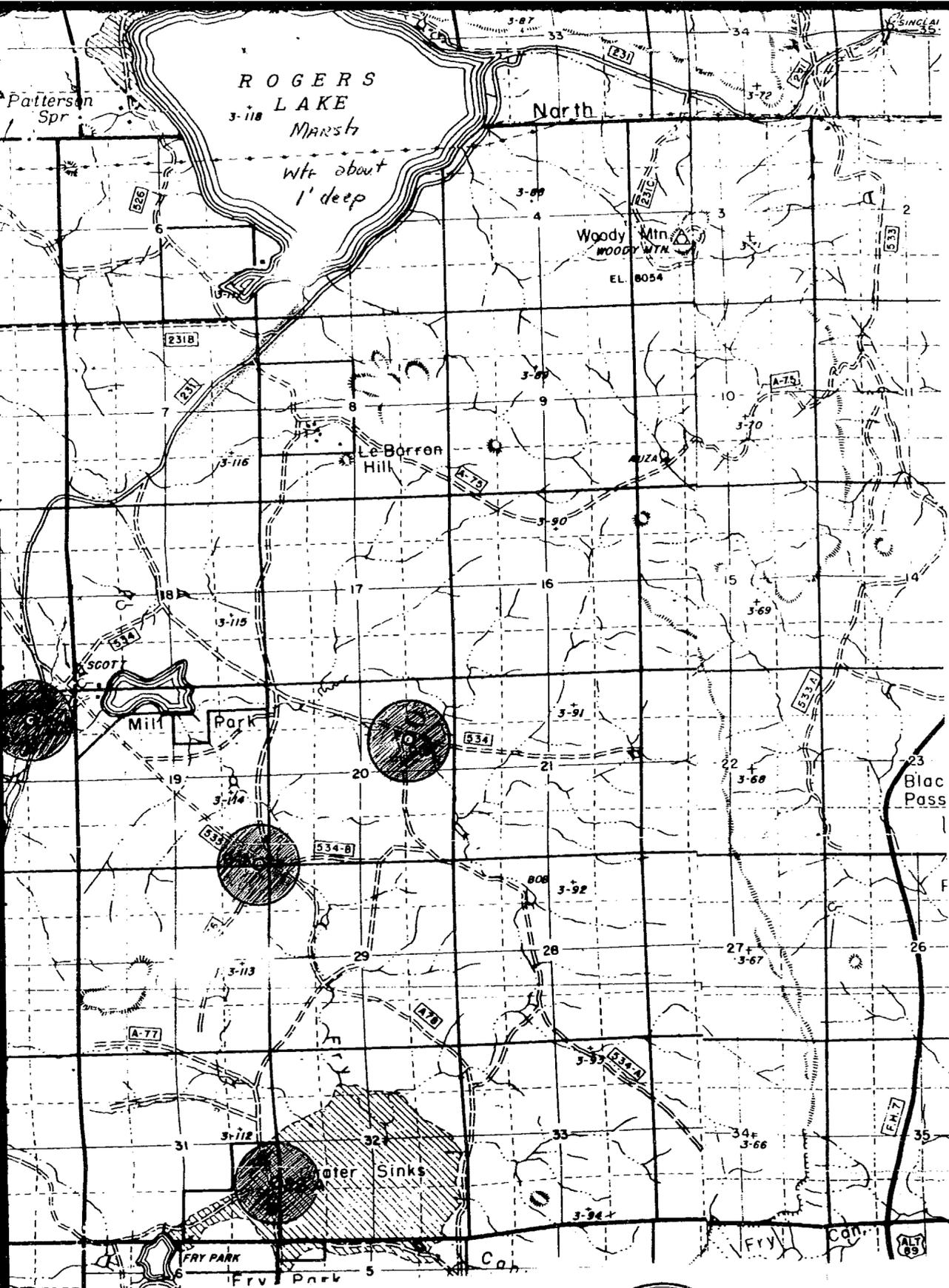
PONDEROSA AREA
Cochino Co. Arizona

Scale: Two inches = One mile
October 1964



UTM GRID AND 1962 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET





quite possible that some of the water shown on this map will find them where they are located on the accompanying map

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SUMMARY

This area is very high structurally and consequently the small number of indications of water for the over one hundred test holes drilled denotes the scarcity of shallow water.

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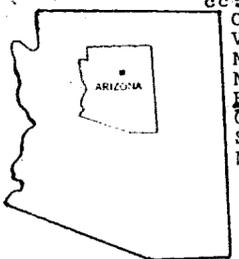
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John K. Petty
John K. Petty
Petroleum Geologist

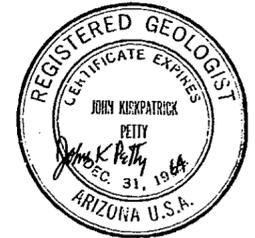
- cc: ARIZONA OIL AND GAS CONSERVATION COMMISSIONERS
 Chairman Lynn Lockhart, 525 W. Orchid Ln., Phoenix, Ariz.
 Vice Chairman R. Keith Walden, P. O. Box #1201, Tucson, Arizona
 Mr. Orme Lewis, 9th Fl. Phx T & T Bldg, Phoenix, Arizona
 Mr. Lucien B. Owens, 225 W. Erie, Holbrook, Arizona
 Exec. Sec. John H. Bannister, Suite 202, 1624 W. Adams, Phoenix, Ariz.
 Comm. of Lands, Obed Lassen, 4th Fl. 1624 W. Adams, Phoenix, Ariz.
 Senator Harold Giss, Senate Chambers, State Capitol, Phoenix, Ariz.
 Mr. Dwayne Miller, Coconino Cattle Company, Sedona, Arizona



GEORGE E. WILLETT, P. O. BOX #548, LEMOORE, CALIFORNIA

PONDEROSA AREA
Coconino Co. Arizona

Scale: Two inches = One mile
October 1964



690
672
18
108

RECEIVED
OCT 21 1952
STATE O & G
CONS. COMM.

21 STATE
524-T203-R51E
100 POUNDS

72
66
—
6

12
—
6
—
1

108
—
22
—
86

25964

31 STATE
104 824-T208-R5E

50' 25 3654 III NE (BELLEMONT) 47' 30" 428 540 000 FE



KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 1186227

That Willett Flying Service, Inc.

of the County of: Kings in the State of: California

as principal, The Travelers Indemnity Company

and Hartford, Connecticut

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

Well #S, D, D, #1, NW 1/4 Section 24, Twp. 20N, R5E, Coconino County, Arizona
(May be used as blanket bond or for single well)

CANCELLED
DATE 4-27-66

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Two Thousand Five Hundred and No/100

Witness our hands and seals, this 25th day of January, 1965

Willett Flying Service, Inc.

Luigi E. Willett
Principal
President

Witness our hands and seals, this 25th day of January, 1965

The Travelers Indemnity Company

By: Richard A. Beaudelay
Attorney-in-Fact Surety

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved
Date 1-28-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Bannister

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. 2

Permit No. 213-306

TEXACO

To

From

12/30/68

To *Jim Swinlock*

From *Frank Kago*

Please:

 Attend to Note and return Note and forward to Files See (phone) me re attached Prepare reply for my signature Send me information required to answer For your information As per conversation As requested For your comments and suggestions Does attached meet with your approval? For signature, if you approve

Other Remarks

Jim,
I sure enjoyed the two tennis sessions we got in, wish it could have been more. I understand from Jim Hodger that you developed some ill-ness in your family at Thanksgiving time.

The attached sheet shows all the information we have on the subject well. Inasmuch as it was drilled on a state case I thought you might have some additional info. If so, how can I go about getting it, short of a trip to Phoenix?
Frank



TEMP COMP SEC 24 TWP 20N RGE SE
PI# 02-A-0001 02-01-66 PAGE 1

ARIZ COCONINO 1537 S/N 1230 E/W SW NW WF

WILLET GEORGE E 1 SDD-STATE

7199 GR WILDCAT

PRMT NO 02-005- 306

6/06/1965 COMB-TL KB Gsf.

5000 GRANITE OWN DE 135 DST.

CSG 14 @ 240 W/ 200 10 3/4 @ 1912 W/ 900 01 02

WELL IDENTIFICATION CHANGES

WHCS CODE # 02N020E00524230265

DRILLING PROGRESS DETAILS

02/19	LOC
06/04	RUCT
06/28	DRLG 1100 W/CABLE TOOLS
07/26	DRLG 2235
10/18	DRLG BELOW 2500, TIGHT HOLE
11/22	DRLG BELOW 2800, TIGHT HOLE
12/02	CHANGED FROM CABLE TO ROTARY AT 2975
	DRLG BELOW 2975 /TIGHT HOLE/
12/13	DRLG BELOW 2975 /TIGHT HOLE/
01/10	DRLG /TIGHT HOLE/
01/28	LOST CIRC AT 3781
	3781 TD, OPERATIONS SUSPENDED /TIGHT HOLE/
	DROPPED FROM REPORT UNTIL OPERATIONS
	RESUME

313



KERR-MCGEE CORPORATION

612 PETROLEUM BUILDING • P. O. BOX 600
AMARILLO, TEXAS 79105

April 17, 1969

PHONE
806 376-5693

Mr. J. R. Scurlock
Arizona Oil & Gas Conservation Commission
1624 West Adams - Room 202
Phoenix, Arizona 85007

Dear Jim:

I am enclosing a copy of the rough sample log I made when I examined the samples on the Willett well in 24-20N-5E, Coconino County, Arizona.

(4) The Mississippian top is at 2745'. The Mississippian seems to be very thin, as Devonian lithologies appear at about 2785'. The Devonian is unusually sandy in this well. Where to pick the Devonian-Cambrian boundary is a problem. It may be as high as 2980', but is probably at 3145'. Good Tapeats, which is quartzitic in this well, appears at 3395' and apparently persists to the sample T.D. of 3775'. Based on these tops, the Cambrian is at least 630' thick.

Hope to see you at the I.P.A.A. meeting in Phoenix.

Yours very truly,

KERR-MCGEE CORPORATION

John R. Barwin
District Geologist

JRB:sg

encl.



313

January 14, 1969

Mr. Stanley S. Beus
Northern Arizona University
Department of Geology
Flagstaff, Arizona

Re: James Pickett, Padre Canyon State #1
T20N, R10E, G & SRM
Sec. 26: NW/4 SE/4
Coconino County, Arizona
Permit #240

Willett 3DD #1 State
T20N, R5E, G & SRM
Sec. 24: SW/4 NW/4
Coconino County, Arizona
Permit #313

Dear Mr. Beus:

This is in reference to your letter of January 7, 1969. In reviewing the Pickett #1, Permit #240 file, we find that the Commission has three logs that were run on this well. These are as follows:

Sonic Log - Gamma Ray 11-18-63
American Stratigraphic Log 7-64
Induction - Electrical Log 11-17-63

Pertaining to the Willett 3DD #1 State, Permit #313, the Commission has only a sample log.

We are sending these logs out to Hale Blueprint and Supply Company of Phoenix, and the reproductions will be mailed direct from Hale Blueprint to Mr. William Breed, Museum of Northern Arizona, P. O. Box 1389, Flagstaff, Arizona, along with the invoice.

Yours truly,

James A. Lambert
Administrative Assistant

jf



Northern Arizona University · FLAGSTAFF, ARIZONA

DEPARTMENT OF GEOLOGY

January 7, 1968

Arizona Oil and Gas Commission
1624 West Adams, Rm 202
Phoenix, Arizona 85007

Gentlemen:

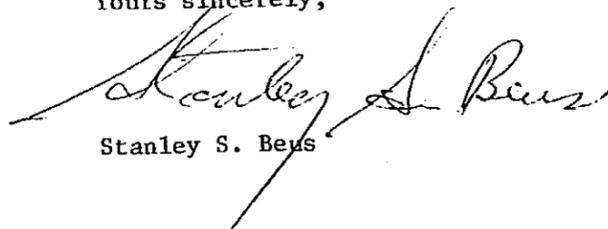
I need information on the following wells:

Willet #1 (1965) Sec 24, T. 20 N, R 5E Coconino County

Pickett #1 (1963) Sec 26, T 20N, R 10E " "

The well log repository at the Museum of Northern Arizona does not seem to have any lithologic data on these wells. Could you send to me or to the Museum a copy of the data you have on these wells. It would be most helpful to me in the work I am doing on the Devonian stratigraphy of northwestern Arizona.

Yours sincerely,


Stanley S. Beus



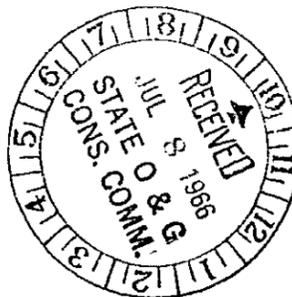
PHONE 988-5751
Area Code 208

Progressively Serving the West with Wings

WILLETT FLYING SERVICE, Inc.
G. E. WILLETT, Owner

AERO DUSTING - SEEDING - SPRAYING - CHEMICALS

P. O. Box 548
LEMOORE, CALIFORNIA 93245



July 6, 1966

Mr. John Banister
Secretary Oil & Gas Commission
Phoenix, Arizona

Dear Mr. Bannister:

I received a phone call from Mr. Jim Potter, of Flagstaff, the new owner of the well in Coconino National Forrest. He requested that I mail you my copy of the lease covering certain oil and gas properties. Inclosed you will find same. Mr. Potter will be contacting you shortly regarding the matter.

Yours truly

George Willett
George Willett

351

7-8-66
Patter picked up lease.

May 5, 1966

Mr. George Willett
P.O. Box 548
Lemoore, California 93245

Re: Willett SDD #1 State well
SW NW 24-20N-5E, Coconino County, Arizona
Permit 313

Travelers Indemnity Company Bond 1186227

Dear Mr. Willett:

Inasmuch as you have fulfilled the requirements of this Commission as to your operations on the captioned well, and inasmuch as Mr. James M. Potter has assumed full responsibility for further operations on this well, this letter then will constitute authority from this Commission to terminate captioned bond as of April 27, 1966.

Your cooperation is very much appreciated, and if this Commission may be of assistance to you at any time, please contact us.

Very truly yours,

John Bannister
Executive Secretary
nr

cc: The Travelers Insurance Companies
2200 N. Central Ave.
Phoenix, Arizona

Mr. John K. Petty
2134 W Keim Dr
Phoenix

April 11, 1966

Mr. George Willett
P.O. Box 548
Lemoore, California 93245

Re: Willett SDD #1 State
SW NW 24-20N-5E, Coconino County, Arizona
Permit 313

Dear Mr. Willett:

This will acknowledge your letter of April 6, 1966 wherein you advised that Mr. James M. Potter, P.O. Box 493, Flagstaff, Arizona, would probably take over this well and continue it.

This is to advise that until such time as Mr. Potter or some other party has taken over this well, this Commission will of course look to you for full compliance with our Rules and Regulations.

In the event that Mr. Potter or another fails to take over the well, you will of course be responsible for plugging same.

As stated in your letter, your bond covering this well will not be released until such time as the well is bonded by some other operator.

It is the intention of this Commission to cooperate with you in every way possible, but it must be understood that you remain responsible until some other party has assumed responsibility.

Should you have any questions will you please advise.

Very truly yours,

John Bannister
Executive Secretary

cc: Mr. James M. Potter
Mr. John Petty

PHONE 989-5751
Area Code 209

Progressively Serving the West with Wings

WILLETT FLYING SERVICE, Inc.
G. E. WILLETT, Owner

AERO DUSTING - SEEDING - SPRAYING - CHEMICALS

P. O. Box 548
LEMOORE, CALIFORNIA 93245

April 6, 1966

Oil and Gas Conservation Commission
State Building
Phoenix, Arizona

RE: Lease #0821900

Atten: Mr. John Banister

Dear Sir:

I wish to notify you that the present exploratory oil well in the NW $\frac{1}{4}$ of Section 24, T-20N R-5E, Coconino County Arizona, will no longer be drilled by me as operator.

One Mr. James M Potter, P. O. Box 493, Flagstaff Arizona, expressed a interest to take over the subject well and conduct further exploratory work.

I hereby convey the subject well along with all the interest in Section 24 with no overrides and all rights which I presently have to James M. Potter. I request that as soon as Mr Potter can satisfy the Oil and Gas Conservation Commission with the necessary bond and necessary signatures that the subject properties are to be transferred to him and I am to be relieved of any responsibilities including the release of my bond from the subject well and all rights and interests are to be assigned to Mr. Potter.

Yours Truly

George Willett
George Willett

c.c. Mr. James M. Potter
Mr. John Petty



April 8, 1966

Memo to: File
From: John Bannister, Executive Secretary

Re: Willett SDD #1 State
SW NW 24-20N-5E, Coconino County
Permit 313

John Petty, geologist for George Willett, has advised that this well will be taken over and deepened by another operator. Willett will cease his operation of this well.

This office is to receive confirmation of this transaction from George Willett and consequently we will not require that this well be plugged.

Willett's bond is to remain in force until such time as a new permit has been issued and the new operator furnishes the required bond.

January 17, 1966

Mr. George E. Willett
P.O. Box 548
Lemoore, California 93245

Re: Willett SDD #1 State well
SW/4NW/4 24-20N-5E, Coconino County, Arizona
File 313

Dear Mr. Willett:

Pursuant to your request as submitted by Mr. John Petty on January 12, 1966, this is to advise you that the Commission here with grants an extension for commencement of further work upon this well until July 12, 1966.

Should you have any questions would you please advise.

Very truly yours,

John Bannister
Executive Secretary
wr

cc: Mr. John K. Petty
2134 W. Keim Drive
Phoenix, Arizona

2134 West Keim Drive
Phoenix, Arizona
Jan 12, 1966

Mr. John Bannister, Executive Secretary
Oil & Gas Conservation Commission
State of Arizona
1624 W. Adams
Phoenix, Arizona

RE Willett #1SDD Arizona State Sec24-20-5 Coconino Co
Arizona Permit #313

Dear John:

George Willett would like to expend the above drilling
permit for six months in order to accomplish contemplated
project work on this well.

Present depth is 3781 feet in Quartzite and we are waiting
on orders.

Yours very truly

GEORGE E. WILLETT

John K. Petty
By John K. Petty
Petroleum Geologist



313

December 1, 1965

Mr. John K. Petty
P.O. Box 1071
Flagstaff, Arizona

Re: Willett SDD #1 State well
SW/4NW/4 24-20N-53, Coconino County
Permit 313

Dear John:

Will you please furnish to this office immediately an up-to-date drilling report on captioned well.

As you know, this report should be submitted monthly to keep the Commission informed as to the progress of the well. We should also be notified when a well is being logged or tested or if operations are being suspended for any reason, whether or not any of these coincide with the monthly report.

All information furnished to this Commission will of course be kept confidential.

Very truly yours,

John Bannister
Executive Secretary
jr

cc: Mr. George E. Willett
P.O. Box 548
Lemoore, California 93245

9/B
October 13, 1965
Box 1071
Flagstaff, Arizona

Mr. John Bannister, Executive Secretary
Oil and Gas Conservation Commission
State of Arizona
1624 W. Adams
Phoenix, Arizona 85007

RE: Willett # 1 SDD Arizona State
NW Sec. 24-T20N-R5E
Coconino County, Arizona

Dear John:

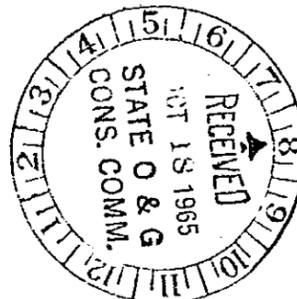
Received yours of October 11. Due to sameness of reports, I have sent you cards heretofore on the progress of above captioned project.

Attached find two copies of stipulated form 25, filled out in regards to the 7" casing just run. I have very strict orders to report no drilling depth beyond 2200 feet. We are drilling a cement plug on 7" casing below that now. Because there was 1858 feet of water in the hole and we could not loosen 2448 feet of 8 5/8" casing set with Larken float shoe and used for water shut off, a string of seven inch was run and cemented. The T.D. is in red shale with sand grains embedded.

It is hoped we are through the water zones and that the lower carbonates can be finally drilled into free of water. Thus far all the water has been fresh and there has been no show of petroleum at the surface.

120,000 pounds pull was exerted for 37 hours in attempting to loosen the 8 5/8" casing a month ago when the bit had been stuck for three weeks. The 8 5/8" did not budge and it has no cement behind it at all. Silt merely caved around it and holds it tightly. It is believed that if more pull is exerted on this casing it may severely damage the SDD#1 as a drilling project.

I am sure that there are erroneous reports circulating that we are testing a show because casing was set. The latter was run merely to dry up the well bore so that we can proceed, trying out Bill Johnson's new drill stem called the "Chatterhammer" which if proven successful will certainly aid Cable Tool Drilling.



313

Mr. Willett wishes to drill the project to total depth before he logs or tests. The super-abundance of fresh water has seriously hampered the drilling of this project. The clutching holding power of the silt literally cementing a string of casing has also seriously slowed the project as the casing could not be lowered when the well bore below is underreamed. It is also very difficult to drill footage with 1800 and more feet of water continually in the well bore.

According to previously outlined plans, Mr. Willett wishes to just drill this project, complete it and then at the proper time, with regard and due respect to rules and regulations of the Oil and Gas Conservation Commission, release all the information associated with this project.

At present the project is still a long way from completion and the drilling is being pursued by experienced drillers twenty-four hours per day.

We will be glad to have you visit this drill site next week as you mentioned in your letter.

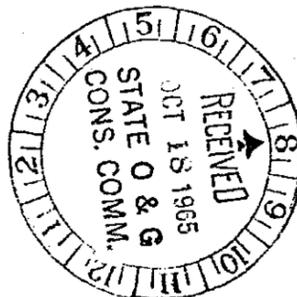
Trusting you, Jim, Marge and the fine commissioners will continue with the excellent job you are doing, I am,

Yours Truly,



JOHN K. PETTY
Petroleum Geologist

JKP:jg
Encl.



October 11, 1965

Mr. John K. Petty
P.O. Box 1071
Flagstaff, Arizona

Re: Willett SDD #1 State well
SW/4NW/4 24-20N-5E, Coconino County
Permit 313

Dear John:

Will you please furnish to this office immediately an up-to-date drilling report on captioned well.

This report should be submitted monthly. We should also be notified when a well is being logged or tested or if operations are being suspended for any reason, whether or not any of these coincide with the monthly report.

Form 25, Sundry Report, is enclosed for your convenience.

Yours very truly,

John Bannister
Executive Secretary
MR
enc



John Petty -

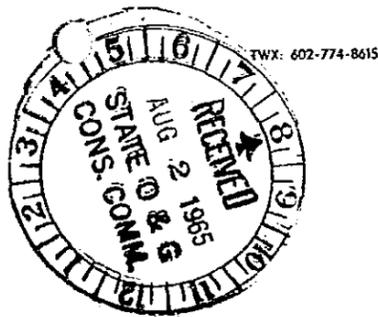
Willet #1 SDD Ariz State

NW Sec 24 - 20N - 5E

Cocconino Co.

Drilling "below 2200"

Date 8-21-65



601 MIKE'S PIKE • FLAGSTAFF, ARIZONA 86002 • PHONE PR 4-4581

313

PO Box # 1071
Flagstaff, Arizona

July 30, 1965

Mr. J. R. Saurbald, Petroleum Geologist
Oil & Gas Conservation Commission, State of Arizona
1624 W. Adams
Phoenix, Arizona
RE: Bond etc on GEORGE E WILLET #1 SDD ARIZONA State
Permit # 313 SWNW Sec. 24-T20N-R5E Coconino Co.

Dear John:

Today the above well is Φ ahead at 2275 feet in
Sand and shale of Supai age material. Siltstone mostly.
Enclosed find bond papers which I had
reproduced for you. Keep all as I still have
all my copies.

Does this bring the file up to date? If not
let me know and I'll bring all of mine by
one day (I don't know when) and you can see if you
want to reproduce anything.

Free teletype reservations across the nation

Sincerely
John Petty

313



TWX: 602-774-8615

313

601 MIKE'S PIKE • FLAGSTAFF, ARIZONA 86002 • PHONE PR 4-4581

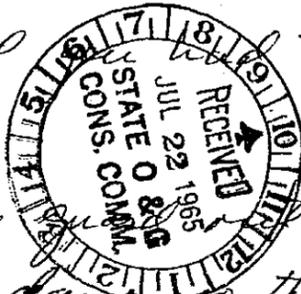
Wednesday July 21

Hi Jim:

Received your letter - all my well records are packed in a long strong box and I'll get them out soon and send you the hard copy -

John B - said when you wrote the first letter he'd have the Bonding Co. duplicate it. Thus I didn't ask them to duplicate it. Consequently, I figured it all under control -

They have no fire now - but with no rain for a day or so they will have



The Willitt SDD #1 is at 2100 in sand & shale (Red)

Free teletype reservations across the nation

Sincerely John K Petty

323

July 14, 1965

Mr. John K. Petty
P.O. Box 1071
Flagstaff, Arizona

Re: Travelers Indemnity Company Bond 1186227, \$2,500.00
Willetts Flying Service, Inc., Principal, covering
Willetts SDD #1 State well
SW/4NW/4 24-T20N-R53, Coconino County
Permit 313

Dear John:

On June 2, 1965 we asked you to furnish this office with a copy of the captioned bond. Realizing that you are on the well site and at a disadvantage, could you forward us the approved copy that was returned to you. We will make the copy for our records and return your copy to you.

Yours very truly,

J.R. Scurlock
Petroleum Geologist
jr

P. O. Box 1071
Flagstaff, Arizona
June 14, 1965

Mr. John Bancister, Executive Secretary
Wildlife Conservation Commission, State of Arizona
Room 202, 1624 West Adams
Phoenix, Arizona

Re: Layron B. Wilson #1 Cody Harris, sec. 13 T 20N -
R 26E, Apache Co. Arizona, Permit #1198

Dear John:

In answer to your letter of June 11 in regard to
captioned well: yes, I was consulting Geologist on
this well when Wilson and Jim Davis drilled it.

No logs were run when well was first drilled and tubing
(2 7/8") was set in the hole at around 1200 feet. This
well was shut in at the time.

I turned the information gained from sample interpretation
over to the operator. As Wilson ran his own rig on this
project, I think you'll gain desired information from him
on the drilling operation.

I was by this well a year ago as Petroleum Geologist for
your commission and it was shut in. Ted Spurlock said it
would not flow so he couldn't use it as a water well, at
that time at least.

When we are completed with the Willett ^{SDD} sec 24 T20N-
R 3E, Coconino County, on which project I am writing this
communication, I will be by your office where we can dis-
cuss the Layron Wilson well. By then perhaps you'll have
contacted Wilson. I do have some further data on the well.

You can reach him by mail or phone at Bloomfield, New Mexico
and Jim Davis is somewhere in California.

Yours truly,

John K. Petty
Petroleum Geologist

CC: Mr. L. R. "LW" Wilson
Bloomfield, New Mexico

313

P. O. Box 1071
Flagstaff, Arizona
June 18, 1955

Mr. John Bannister, Executive Secretary
Wildlife Conservation Commission, State of Arizona
Room 202, 1524 West Adams
Phoenix, Arizona

Re: Layron E. Wilson #1 Cady Harris, sec. 13 T 20N
R 35E, Apache Co. Arizona, Permit #110

Dear John:

In answer to your letter of June 11 in regard to captioned well: yes, I was consulting Geologist on this well when Wilson and Jim Davis drilled it.

No logs were run when well was first drilled and tubing (2 7/8") was set in the hole at around 1200 feet. This well was shut in at the time.

I turned the information gained from sample interpretation over to the operator. As Wilson ran his own rig on this project, I think you'll gain desired information from him on the drilling operation.

I was by this well a year ago as Petroleum Geologist for your commission and it was shut in. Ted Spurlock said it would not flow so he couldn't use it as a water well, at that time at least.

When we are completed with the Willett #1 ^{SDD} sec 24-T20N-R 35E, Coconino County, on which project I am writing this communication, I will be by your office where we can discuss the Layron Wilson well. By then perhaps you'll have contacted Wilson. I do have some further data on the well.

You can reach him by mail or phone at Bloomfield, New Mexico and Jim Davis is somewhere in California.

Yours truly,

John K. Petty
Petroleum Geologist

CC: Mr. L. E. "Doc" Wilson
Bloomfield, New Mexico

313

June 2, 1965

Willet Flying Service, Inc.
c/o Mr. John K. Petty
2134 W. Keim Drive
Phoenix, Arizona

Re: Willet SDD #1 State Bond #1186227, Amount \$2,500
Covering oil and gas well located SW/4NW-24-20N-R5E,
Coconino County, Arizona
Permit 313

Gentlemen:

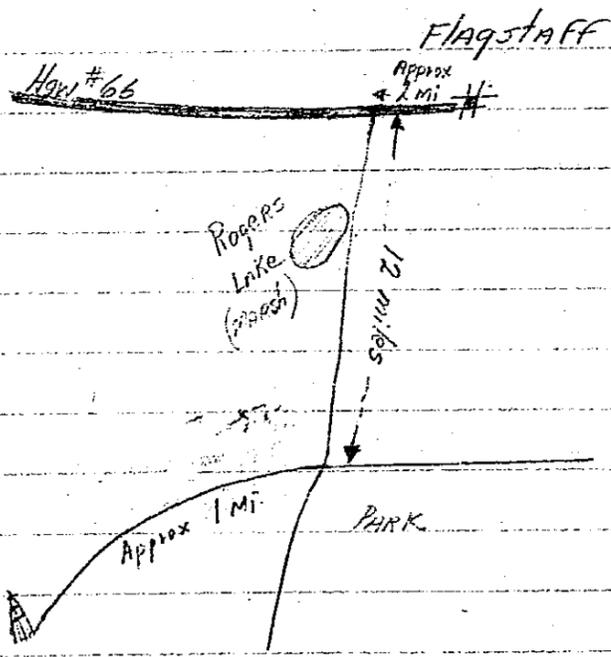
Would you please furnish this office with a copy of the approved captioned bond, together with the applicable power-of-attorney.

Your earliest cooperation is very much appreciated.

Yours very truly,

John Bannister
Executive Secretary
cb

Directions to well



April 28, 1965

Willett Flying Service, Inc.
c/o Mr. John K. Petty
2134 W. Keim Drive
Phoenix, Arizona

Re: Willett SDD #1 State well
SW/4NW/4 S24-T20N-R5E, Coconino County, Arizona
Permit 313

Gentlemen:

Enclosed please find Receipt 9412 for the amount of \$25.00 covering your permit to drill the captioned well.

As per your letter of April 27, 1965, we have used the application, plats, and bond originally submitted as part of Permit 308 to issue the new Permit 313.

We are advising Travelers Indemnity Company as to this change and advising them that their Bond 1186227 will now apply to the same well but under Permit 313.

Should you have any questions, please advise this office.

Yours very truly,

John Bannister
Executive Secretary

nr

cc: The Travelers Indemnity Co., Hartford, Conn.

91
20

April 28, 1965

The Travelers Indemnity Company
Hartford, Connecticut

Re: Bond 1186227

Willetts SDD #1 State well
SW/4NW/4 S24-T20N-R5E, Coconino County, Arizona
Permit 313

Gentlemen:

You issued the captioned bond, in the amount of \$2,500, to comply with the bonding requirements of this Commission as to the captioned well.

Our permit to drill this well was originally issued January 28, 1965 under Permit 306. Inasmuch as the operator, Mr. George E. Willet, was unable to commence operations due to weather conditions within the ninety day period as required by our Rules and Regulations, it was necessary to expire Permit 306.

Mr. John K. Petty, on behalf of Mr. Willett, has secured a new permit for the same well at the same identical location. Permit 313 has now been issued for this purpose. Mr. Petty has advised us that the captioned bond will cover this well.

In the event that this change amounting to a change of permit number only does not satisfy your organization, will you please advise us at once. Otherwise this Commission considers your company bound under Bond 1186227 for Mr. Willett's operations on the captioned wellland under Permit 313.

Should you have any questions, would you please advise.

Yours very truly,

John Bannister
Executive Secretary
MB

cc: Mr. John K. Petty, 2134 W. Keim Dr., Phoenix, Arizona

P. O. Box #548
Lemoore, California
April 27, 1965

Mr. John Bannister, Executive Secretary
Oil & Gas Conservation Commission
State of Arizona
1624 W. Adams
Phoenix, Arizona

RE GEORGE E. WILLET #1SDD Arizona State, #8219
1537 FN & 1530 FW 1s Sec 24-T20N-R5E Permit # 306
Coconino County, Arizona

Dear John:

It is wished to obtain a new permit in place of the
above since its expiration date is April 28, 1965.
Due to severe weather conditions it has not been reasonable
to move a rig in to location and commence the project.

Since all the conditions and plans set forth in permit
#306 are to be followed it is desired to use the same
application for the new permit asked for.

A check for \$25 is attached to this letter.

Thanking you and the Commission for your splendid
cooperation, I am

Yours truly

GEORGE E WILLET

By

John K. Petty
Petroleum Geologist

Feb 3

Hi John;

The Acreage on Georges leases total between 36800 and 36,900. I added some more in when I told you 38000 but the above figure is for contiguous acreage where the location in section 24 is.

I will have the records here one of these days or I will check them in the State and Fed land offices when George is entirely thru. You see there are some more trades which may be consumated to make this acreage go several M more. However I didn't recommend any and I don't know if he went on with them or not.

The rig is tied up for a few weeks now on some extra digging and I don't know when we will begin. Old mother nature will have a hand in it to. In the middle of the day up there a truck will sink out of sight--then it freezes at right.

#306

Best wishes
John Potts 313



THIS SIDE OF CARD IS FOR ADDRESS

Mr. John Bannister, Executive Secretary
Arizona Oil & Gas Conservation Commission
1624 West Adams Suite 202
Phoenix, Arizona

January 28, 1965

Mr. George E. Willett
P.O. Box 548
Lemoore, California 93245

Re: Willett #1 State 8219 well
SW/4NW/4, S24-T20N-R53, Coconino County, Arizona
Permit 306

Dear Mr. Willett:

This will acknowledge receipt of the Application to Drill captioned well which was approved January 28, 1965.

Mr. John Petty advised this office by letter date January 25, 1965 as to the unorthodox location of this well and explained that this location was necessary due to the structural and stratigraphic situation.

This letter advises that this location and the reason therefore are acceptable to this Commission.

Yours very truly,

John Bannister
Executive Secretary

mr

P. O. Box #548
Lemoore, California
Jan 25, 1965

Mr. John Bannister, Executive Secretary
Oil and Gas Conservation Commission
State of Arizona
Suite 202, 1624 West Adams
Phoenix, Arizona

re: George E. Willett #1 SBD Arizona State Sec 24-20-5, Coconino Co.

Dear John:

The above well is located 1537 feet from the north and 1230 feet from the west lines of section 24, this being an unorthodox location.

Mr. George E. Willett, the operator, owns leases all around this dedicated acreage (W2 NW4 sec 24).

The only reason this well is not on an orthodox location is because it is located by a coordination of Geological, Geophysical and Geochemical etc data.

Since it is believed this location is the most applicable to the structural and stratigraphic situation, it will be appreciated very much if you will give it approval. This location has cost much time and money and we have done our best to place it properly so as to penetrate a petroleum reservoir.

Yours truly

GEORGE E. WILLETT

By *John K. Petty*
Petroleum Geologist

OK
JB

~~306~~ (Expired)