

Release Date: 8-22-68

CONFIDENTIAL

Little #1 Navajo 453
SE SE 26-6N-8W NSM Apache County

sl

COUNTY Apache AREA 15 mi S Lukachukai Navajo LEASE NO. 14-20-0603-1205

WELL NAME Curtis J. Little #1 Navajo

LOCATION SE SE SEC 26 TWP 6N RANGE 8W NSM FOOTAGE 990 FSL & FEL
ELEV 7402 GR _____ KB _____ SPUD DATE 2-8-68 STATUS _____ TOTAL _____
COMP. DATE 2-22-68 DEPTH 2315'
2322 drlr

CONTRACTOR Signal Oilfield Service, Inc. Farmington, New Mexico

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	<u>x</u>
<u>10 3/4</u>	<u>155</u>	<u>160 SX</u>		DRILLED BY CABLE TOOL	
				PRODUCTIVE RESERVOIR	<u>P&A</u>
				INITIAL PRODUCTION	

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Triassic	Surface	<u>x</u>	<u>x</u>	
Permian DeChelly	277'			
Permian Supai	1135'			
Penn. Hermosa	1582'			
Mississippian	1977'			
Devonian Elbert	2071'			
McCracken	2224'			
Pre-Cambrian	2272-2291'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
<u>IE, Borehole Compn Sonic-GR</u>	<u>NA</u>	<u>NA</u>	SAMPLE DESCRP.
			SAMPLE NO. <u>1427</u>
			CORE ANALYSIS
			DSTs <u>Direct Survey</u>

REMARKS _____ APP. TO PLUG x
 _____ PLUGGING REP. x
 _____ COMP. REPORT x

WATER WELL ACCEPTED BY _____

BOND CO. U.S.F.&G. Co. BOND NO. _____
 BOND AMT. \$ 5,000 CANCELLED 9-13-68 DATE _____
 FILING RECEIPT 9537 LOC. PLAT x ORGANIZATION REPORT 2-5-68
 API NO. 02-001-20075 DATE ISSUED 2-7-68 WELL BOOK x PLAT BOOK x
 DEDICATION E/2 SE/4

PERMIT NUMBER 453

CONFIDENTIAL
Release Date 8-22-68

(over)

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 **Curtis J. Little** Address **2929 Monte Vista, NE Albuquerque, New Mexico 87106**

Federal, State or Indian Lease Number or name of lessor if fee lease **Navajo 14-20-0603-1205** Well Number **1 Bear Springs** Field & Reservoir **Wildcat**

Location **990' FS&EL** County **Apache**

Sec. TWP-Range or Block & Survey **Sec. 26, T. 6N - R. 8W**

Date spudded **2-8-68** Date total depth reached **2-20-68** Date completed, ready to produce **Dry** Elevation (DF, RKB, RT or Gr.) **7402 GR** feet Elevation of casing hd. flange **7400** feet

Total depth **2315** P.B.T.D. **NA** Single, dual or triple completion? **NA** If this is a dual or triple completion, furnish separate report for each completion. **NA**

Producing interval (s) for this completion **None** Rotary tools used (interval) **0-2315** Cable tools used (interval) **None**

Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **NA** Date filed **NA**

Type of electrical or other logs run (check logs filed with the commission) **ES-Induction & Gamma Ray-Sonic** Date filed Approx. **3-5-68 by Schlumberger**

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	10-3/4	3275	155	160	None

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
	NA		NA	

INITIAL PRODUCTION

Date of first production **D&A** 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

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

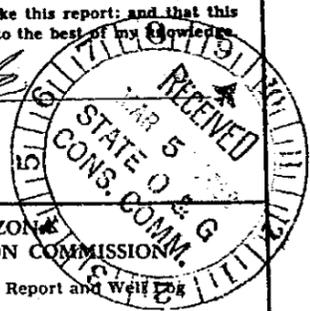
Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Operator** of the

Individual (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 **March 4, 1968**

Signature



Permit No. **453**

Form No. 4

File One Copy

★ DETAIL OF FORMATIONS PENETRATED			
Formation	Top	Bottom	Description*
Triassic	0	277	Sand and shale
Permian DeChelly	277	1135	Sand
Permian Supai	1135	1582	Shale and silt
Pennsylvanian			
Hermosa	1582	1977	Limestone, sand and shale
Mississippian	1977	2071	Limestone
Devonian Elbert	2071	2224	Dolomite
McCracken	2224	2272	Sand and shale
PreCambrian 2291 (Cavina, 2272)		2315	Ryolite
DST Mississippian	2071-2065 ✓ 2215-2265		
Open 5 minutes.			
Shut in 30 minutes.			
Open 30 minutes - very weak blow of air dying in 30 minutes.			
Shut in 30 minutes.			Recovered 30 feet mud. No shows.
ISIP	159		
FSIP	66		
IFP	13		
FFP	20		
IHP	998		
FHP	975		

* 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.

PLUGGING RECORD

Operator **Curtis J. Little** Address **2929 Monte Vista, NE, Albuquerque, N.M.**

Federal, State, or Indian Lease Number, or lessor's name if fee lease. **Navajo 14-20-0603-1205** Well No. **1** Field & Reservoir **Bear Springs Wildcat**

Location of Well **990' FSL 990' FEL** Sec-Twp-Rge or Block & Survey **Sec. 26, T. 6N - R. 8W** County **Apache**

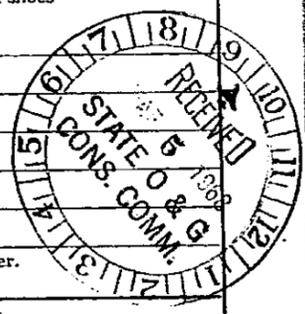
Application to drill this well was filed in name of **Curtis J. Little** Has this well ever produced oil or gas **No** Character of well at completion (initial production):
Oil (bbls/day) _____ Gas (MCF/day) _____ Dry? **Yes**

Date plugged: **2-22-68** Total depth **2315** Amount well producing when plugged:
Oil (bbls/day) **None** Gas (MCF/day) **None** Water (bbls/day) **None**

Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement
None	None	None	NA
Mississippian-Devonian	None	1977-2272	90 sx 2150-1950
Pennsylvanian	None	1582-1977	40 sx 1700-1600
Triassic	None	0 -277	10 sx in surface csg

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
10-3/4	155	None	155	None	



Was well filled with mud-laden fluid, according to regulations? **Yes** Indicate deepest formation containing fresh water. **DeChelly 277-1135**

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:
Skelly	Denver	East & South
El Paso Natural Gas Co.	Farmington	West

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.
NA

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Operator** of the **Individual** (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 **March 4, 1968** Signature *Curtis J. Little*

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Plugging Record
File One Copy

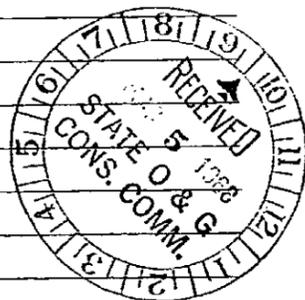
Permit No. **453** Form No. 10

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
 OPERATOR Curtis J. Little ADDRESS 2929 Monte Vista, NE, Albuquerque, N. M. 87106
 Federal, State, or Indian Lease Number, or Lessor's Name if Fee Lease Navajo Tribal 14-20-0603-1205 WELL NO. 1
 SURVEY 990' FS&EL SECTION 26, T. 6N - R. 8W COUNTY Apache
 LOCATION _____

TYPE OF WELL Dry Hole (Oil, Gas or Dry Hole) TOTAL DEPTH 2315
 ALLOWABLE (If Assigned) None
 LAST PRODUCTION TEST OIL None (Bbls.) WATER None (Bbls.)
 GAS None (MCF) DATE OF TEST None
 PRODUCING HORIZON None PRODUCING FROM _____ TO _____
 1. COMPLETE CASING RECORD 10-3/4 set at 155 feet with 160 sx (circulated)

2. FULL DETAILS OF PROPOSED PLAN OF WORK
90 sx cement plug 2150-1950
40 sx 1700-1600
10 sx in 10-3/4 surface
Install dry hole marker
Clean up location



If well is to be abandoned, does proposed work conform with requirements of Rule 202? yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 2-22-68
 NAME OF PERSON DOING WORK Blackmon Cementing Co. ADDRESS Farmington, N. M.
 CORRESPONDENCE SHOULD BE SENT TO Curtis J. Little Name Curtis J. Little
 Title Operator
 Address 2929 Monte Vista, NE, Albuquerque, New Mexico 87106
 Date March 4, 1968

NOTE: Verbal approval obtained by phone from Mr. J. Scurlock on 2-20-68

Date Approved 3-16-68
 STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
 By: John Sammeter

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9

Permit No. 453

4

Straight Hole Tests

Depth

66
168
273
786
1282
1499
1638
1807
1942

Inclination

1/4°
1/2°
1/2°
1/2°
1/2°
3/4°
1-1/4°
3/4°
1°



CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO. **14-20-0603-1205**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME **Navajo Tribal**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME **Bear Springs**

9. WELL NO. **1**

10. FIELD AND POOL OR WILDCAT **Wildcat**

11. SEC. T., R., M. OR BLOCK AND SURVEY OR AREA
Sec. 26, T. 6N - R. 8W N.S.M.

12. COUNTY OR PARISH **Apache**

13. STATE **Arizona**

14. PERMIT NO. DATE ISSUED **2-6-68**

15. DATE SPUNDED **2-8-68**

16. DATE T.D. REACHED **2-20-68**

17. DATE COMPL. (Ready to prod.) **2-22-68**

18. ELEVATIONS (OF RKB, RT, OR, ETC.)*

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **2315**

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY **Surface TD**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None - P&A

25. WAS DIRECTIONAL SURVEY MADE? **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Induction-ES and Gamma Ray-Sonic**

27. WAS WELL CORED? **No**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	32.75	155	15	160 sx	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		None		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	None	

31. PERFORATION RECORD (Interval, size and number)
None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	None

33. PRODUCTION

DATE FIRST PRODUCTION **None**

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS: (Producing or shut-in)

DATE OF TEST **DST** HOURS TESTED CHOKER SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

2-21-68

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **P&A**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED Curtis J. Little TITLE **Operator** DATE **2-22-68**

*(See Instructions and Spaces for Additional Data on Reverse Side)

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INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of liquids and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.) formations and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be identified on this form, see item 36.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for special instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s), and name(s) (if any); for only the interval reported in item 83. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Stem/Case/Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS-THEROP-CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING: DEPTH INTERVAL TESTED, CUSHION CARD, FINE TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS				
FORMATION	TOP (FEET)	BOTTOM (FEET)	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH (FEET)	FEET VERT. DEPTH (FEET)
2215-2265			Open 5 minutes - shut in 30 minutes - Very weak blow of air during in 30 minutes - Recovered 30 feet drilling mud; no show.	De Chelly	277	
151P 159 FSIP 66			1HP 988 FHP 975	Supai	1137	
				Mississippian	1977	
				Elbert	2071	
				McCracken	2224	
				Cambrian	2272	
				Pre-Cambrian	2291	

Form 9-331
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO. **14-20-0603-1205**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bear Springs

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA
Sec. 26, T. 6N, R. 8W N.S.M.

12. COUNTY OR PARISH | 18. STATE
Apache | Arizona

1. OIL WELL GAS WELL OTHER **Wildcat**

2. NAME OF OPERATOR
Curtis J. Little

3. ADDRESS OF OPERATOR
2929 Monte Vista, NE, Albuquerque, New Mexico 87106

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
990' FEL & 990' FSL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
7402 CR

16. 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"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
MULTIPLE COMPLETE	<input checked="" type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		
CHANGE PLANS	<input type="checkbox"/>		

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

17. 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.)

Drilled 8-3/4" hole to 2315 feet.
Schlumberger logged well - ES-Induction and Sonic-Gamma Ray.
2021-2065 DST 2215-2265. Rec 30 feet mud.
Determined well to be dry.

Plan to spot 90 sx cement plug 2150-1950
 " 40 sx " 1700-1600
 " 10 sx " in 10-3/4" surface csg.

Erect dry hole marker.

Prior approval obtained by W. Blackman from Farmington U.S.G.S. office.

CONFIDENTIAL

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

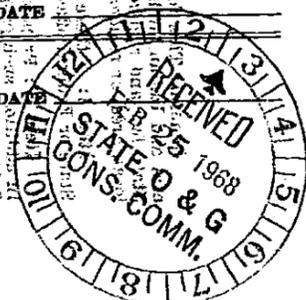
SIGNED Curtis J. Little TITLE Operator DATE 2-23-68

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-1205

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bear Springs

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T., R., M., OR BLK. AND
SURVEY OR AREA
Sec. 26, T. 6N - R. 8W N.S.M.

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER **Wildcat**

2. NAME OF OPERATOR
Curtis J. Little

3. ADDRESS OF OPERATOR
2929 Monta Vista, NE, Albuquerque, New Mexico 87106

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
990' FEL & 990' FSL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7402 GR

16. 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"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

17. 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.)*

Abandoned well as follows on 2-22-68:

Spotted 90 sx cement plug in mud filled 8-3/4" hole	2150-1950
" 40 sx "	" " 1700-1600
" 10 sx "	" " 10-3/4" casing

Will erect dry hole marker and clean up location when rig moved off.

CONFIDENTIAL

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

SIGNED Curtis J. Little TITLE Operator DATE 2-23-68

(This space for Federal or State office use)

APPROVED BY John K. Kimmel TITLE 1624 WEST ADAMS, SUITE 202 DATE 2-23-68
OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
TELEPHONE: 271-5161
PHOENIX, ARIZONA, 85007

*See Instructions on Reverse Side



453

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER Wildcat

2. NAME OF OPERATOR
Curtis J. Little

3. ADDRESS OF OPERATOR
2929 Monte Vista, Albuquerque, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface 990' FEL and 990' FSL

14. PERMIT NO.

15. ELEVATIONS (Show whether DP, RT, CR, etc.)
7402 Gr

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-1205

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bear Springs

9. WELL NO.
1

10. FIELD AND POOL OR WILDCAT
Wildcat

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T6N, R8W NSM

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

16. 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"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

17. 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.)*

Spud February 8, 1968 at 4 P.M. Drilled 15" hole and set 153 feet of 10-3/4" casing at 155 feet with 160 sx cement. Prep to drill with air.



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

SIGNED X TITLE Owner DATE 2-9-68

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

453

*See Instructions on Reverse Side

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

CURTIS J. LITTLE
NAME OF COMPANY OR OPERATOR

2929 MONTE VISTA NE, ALBUQUERQUE, NEW MEXICO 87106
Address City State

SIGNAL OILFIELD SERVICE, INC.
Drilling Contractor

P.O. BOX 1556, FARMINGTON, NEW MEXICO 87401
Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor Navajo Tribal Lease #14-20-0603-1205	Well number 1	Elevation (ground) Approx. 7402
Nearest distance from proposed location to property or lease line: 990 feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: NONE feet	
Number of acres in lease: 640	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
Well location (give footage from section lines) 990' FEL & 990' FSL	Section—township—range or block and survey Sec. 26-T6N-R8W NSM	Dedication (Comply with Rule 105) E/2 SE/4 Sec. 26
Field and reservoir (if wildcat, so state) WILDCAT	County APACHE	
Distance, in miles, and direction from nearest town or post office 15 miles south of Lukachukai		
Proposed depth: 2800' - Granite Test	Rotary or cable tools Rotary	Approx. date work will start February 7, 1968
Bond Status Filed, USF&G, Phoenix	Organization Report Mr.	Filing Fee of \$25.00 Attached X
Amount \$5,000.00	On file	Or attached X

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **OWNER** of the **individual** (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.

Curtis Little
Signature

FEBRUARY 5, 1968
Date

Permit Number: **453**
Approval Date: **2-7-68**
Approved By: *John Banister*

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

Form No. 3



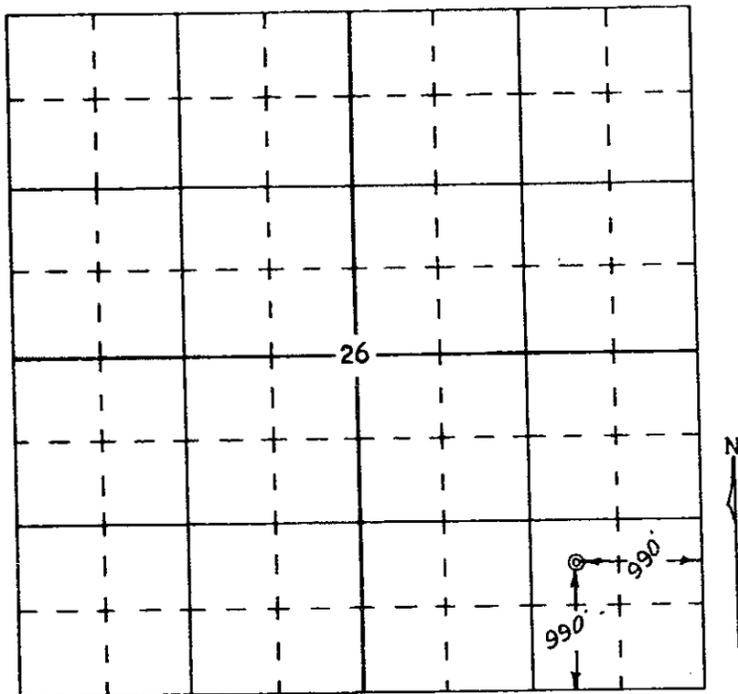
1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
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 four 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 four is "no," list all the owners and their respective interests below:

Owner	Land Description
	<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 style="text-align: center;"><i>Curtis J. Little</i> CURTIS J. LITTLE</p> <p>Name OWNER</p> <p>Position INDIVIDUAL</p> <p>Company FEBRUARY 5, 1968</p> <p>Date</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 style="text-align: center;">SEPARATELY FURNISHED</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
10 3/4"	32.75	H-40	2	182	CIRCULATED 200'	37 Cu. Ft.
4 1/2"	9 1/2	H-40	2	2900		100 sx.

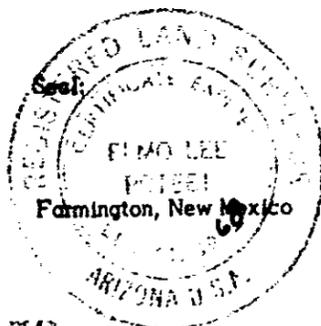
COMPANY Curtis Little
 Well Name & No. Bear Springs No. 1 Lease No. 14-20-0603-1205
 Location 990 feet from South line and 990 feet from East line
 Being in Apache County, Arizona
 Sec. 26, T.6N., R.8W., Navajo Special Meridian
 Ground Elevation 7402 (Vertical Angle Value)



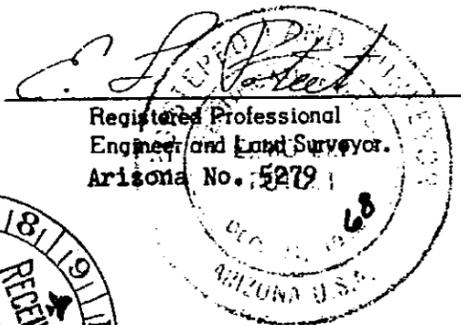
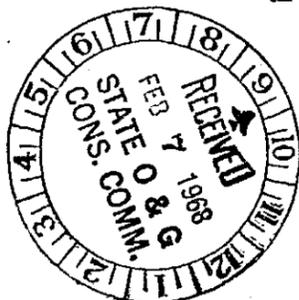
Scale - 4 inches equals 1 mile

Surveyed January 31-February 5, 19 68

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



453





PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: CURTIS J. LITTLE
(OPERATOR)

to drill a well to be known as

LITTLE #1 NAVAJO
(WELL NAME)

located 990' FSL and FEL (SE/4 SE/4)

Section 26 Township 6N Range 8W NSM, Apache County, Arizona.

The E/2SE/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 7th day of February, 1967.

OIL AND GAS CONSERVATION COMMISSION

By John Kammister
EXECUTIVE SECRETARY

PERMIT N^o 453

RECEIPT NO. 45337
API No. 02-001-20075

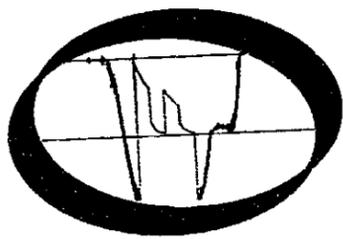
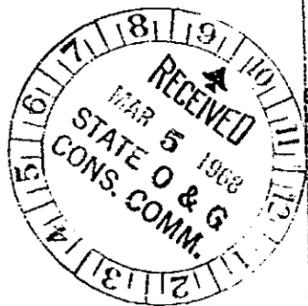
State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

* "Forms when to file" attached

Formation Testing Service Report

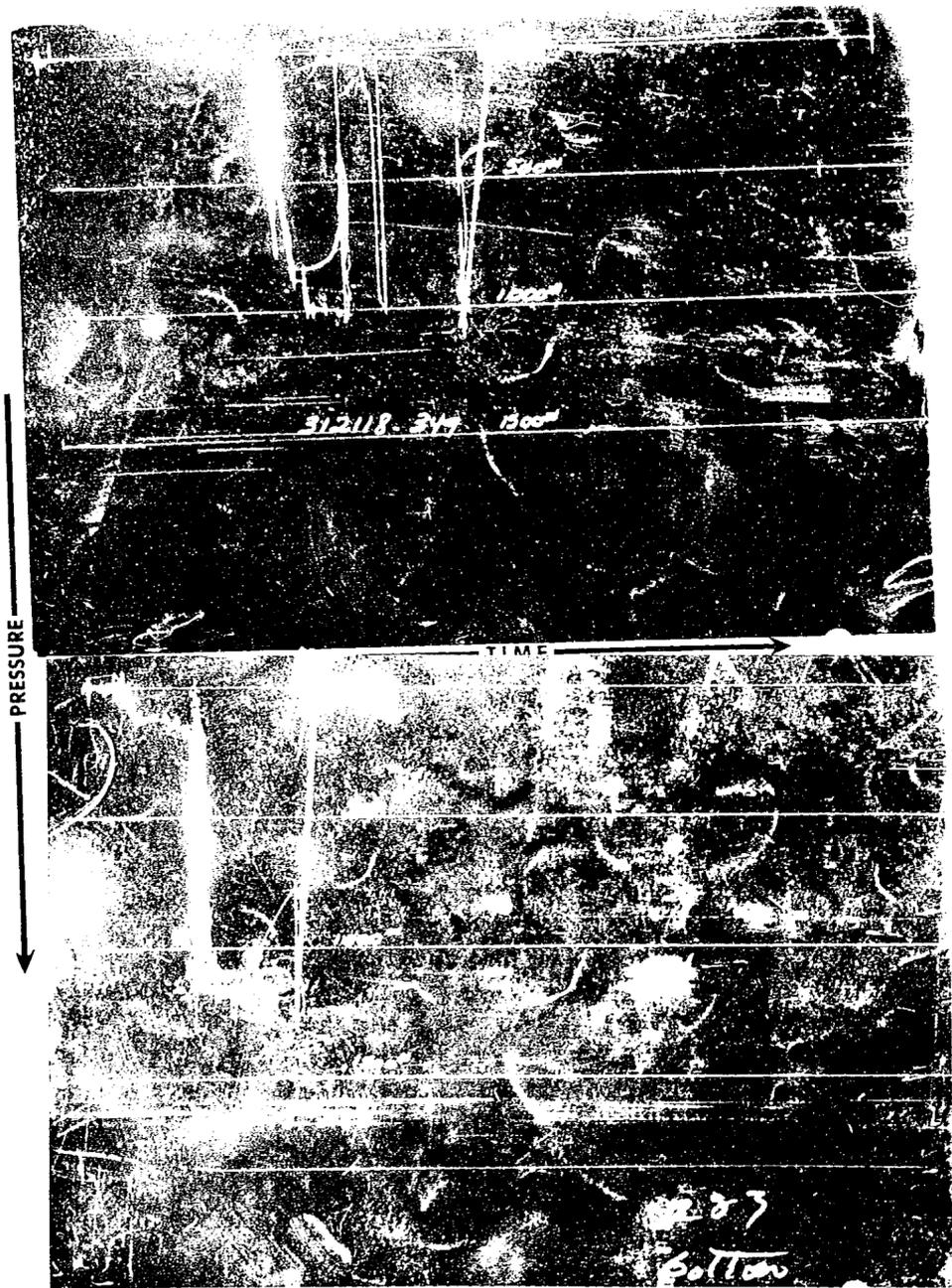
BEAR SPRING



CURTIS J. LITTLE

453

HALLIBURTON COMPANY
DUNCAN, OKLAHOMA



Each Horizontal Line Equal to 1000 p.s.i.

Flow Time	1st	Min.	2nd	Min.	Date	Ticker Number
Closed In Press. Time	30		30		2-21-68	
Pressure Readings	Field	Office Corrected			Kind of Job	Halliburton District
Depth Top Gauge	2010 Ft.	Blanked Off NO			Tester	MR. SMITH
BT. P.R.D. No.	159	Hour Clock 12			Drilling Contractor	SIGNAL OILFIELD SERVICE
Initial Hydro Mud Pressure	988	1004			Elevation	7402' G.L.
Initial Closed in Pres.	159	174			Total Depth	2215'
Initial Flow Pres.	13	1	11		Interval Tested	2021'-2065'
Final Flow Pres.	13	2	16		Casing or Hole Size	8 3/4"
Final Closed in Pres.	86	80			Surface Choke	1 1/2"
Final Hydro Mud Pressure	976	1004			Size & Kind Drill Pipe	4" F.H. D.P. 3 1/2" T.P.
Depth Cen. Gauge		Blanked Off			Mud Weight	9.6
BT. P.R.D. No.		Hour Clock			Temperature	
Initial Hydro Mud Pres.					Depths Mea. From	REILY BUSHINGS
Initial Closed in Pres.					Cushion	
Initial Flow Pres.					Recovered	HOLE Feet of
Final Flow Pres.					Recovered	HOLE Feet of
Final Closed in Pres.					Recovered	Feet of
Final Hydro Mud Pres.					Oil A.P.I. Gravity	
Depth Bot. Gauge	2114 Ft.	Blanked Off YES			Gas Gravity	
BT. P.R.D. No.	283	Hour Clock 24			Tool Opened	
Initial Hydro Mud Pres.		1150			Remarks	Opened tool for 5 minute 1st flow, closed tool for 30 minute initial closed in pressure. Reopened tool for 30 minute flow. Closed tool for 30 minute closed in pressure. 768
Initial Closed in Pres.						
Initial Flow Pres.		HYDROSTATIC				
Final Flow Pres.		RE. EA53				
Final Closed in Pres.		768				
Final Hydro Mud Pres.		1150				

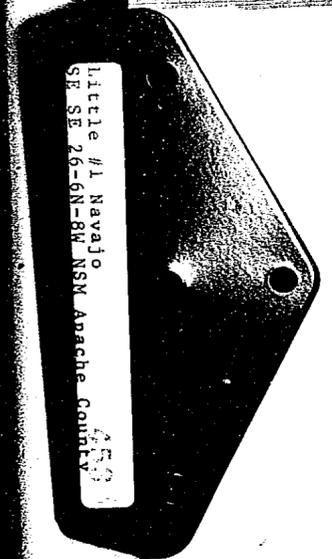
FORMATION TEST DATA



Gauge No.		349		Depth		2010'		Clock		12 hour		Ticket No.		312118	
	First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure							
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.					
P ₀	.000	11	.000		11	.000	16	.000		24					
P ₁	.038	11	.160		174	.212	24	.233		80					
P ₂															
P ₃			READ BEFORE BYPASSING												
P ₄															
P ₅															
P ₆															
P ₇															
P ₈															
P ₉															
P ₁₀															
Gauge No.		283		Depth		2114'		Clock		24 hour					
P ₀															
P ₁			HYDROSTATIC RELEASE-768												
P ₂															
P ₃															
P ₄															
P ₅															
P ₆															
P ₇															
P ₈															
P ₉															
P ₁₀															
Reading Interval											Minutes				
REMARKS:															

463 SPECIAL PRESSURE DATA 5

Each Horizontal Line Equal to 1000 p.s.i.



DST * #1:
=

5642-5688 Gr

BOND
KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. _____

That we: CURTIS J. LITTLE

of the County of: BERNALILLO in the State of: NEW MEXICO

as principal: UNITED STATES FIDELITY & GUARANTY COMPANY

and of: BALTIMORE, MARYLAND
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the Oil and Gas Conservation Commission, 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, helium, other minerals, or for stratigraphic purposes in and upon the following described land situated within the State, to wit:

Section 26, Township 6N., Range 8W, Apache County, Arizona
(May be used as blanket bond or for single well)

CANCELLED

DATE 9-13-68

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. Liability under this bond may not be terminated without written permission of this commission.

Penal sum of: Five Thousand & No/100, (\$5,000.00) ----- Dollars

Witness our hands and seals, this 1st day of February, 1968

Curtis J. Little

Curtis J. Little

Principal

Witness our hands and seals, this 1st day of February, 1968

UNITED STATES FIDELITY & GUARANTY COMPANY

Paul Billington
Attorney-in-fact

Surety

Lloyd W. Johnson
Surety Resident Arizona Agent
(If issued in a state other than Arizona)

(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: 2-7-68
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: *John W. Barnmaster*

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. 2
RECEIVED
FEB 6 1968
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Permit No. 453

(CERTIFIED COPY)

GENERAL POWER OF ATTORNEY

No. 77721

Know all Men by these Presents:

That UNITED STATES FIDELITY AND GUARANTY COMPANY, a corporation organized and existing under the laws of the State of Maryland, and having its principal office at the City of Baltimore, in the State of Maryland, does hereby constitute and appoint

Paul Billingham and/or John O. Plescia

of the City of **Albuquerque**, State of **New Mexico**
its true and lawful attorneyS in and for the State of **New Mexico**

for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said UNITED STATES FIDELITY AND GUARANTY COMPANY, through us, its Board of Directors, hereby ratifies and confirms all and whatsoever ~~done~~ either the said Paul Billingham or the said John O. Plescia

may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said UNITED STATES FIDELITY AND GUARANTY COMPANY has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its Vice-President and Assistant Secretary, this **28th** day of **July**, A. D. 19 **66**

UNITED STATES FIDELITY AND GUARANTY COMPANY.

(Signed) By A. C. Holmes
Vice-President.

(SEAL) (Signed) A. W. Griffith
Assistant Secretary.

STATE OF MARYLAND }
BALTIMORE CITY, }

On this **28th** day of **July**, A. D. 1966, before me personally came **A. C. Holmes**, Vice-President of the UNITED STATES FIDELITY AND GUARANTY COMPANY and **A. W. Griffith**, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said that they resided in the City of Baltimore, Maryland; that they, the said **A. C. Holmes** and **A. W. Griffith** were respectively the Vice-President and the Assistant Secretary of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so affixed by order of the Board of Directors of said corporation, and that they signed their names thereto by like order as Vice-President and Assistant Secretary, respectively, of the Company. My commission expires the first day in July, A. D. 19 **67**

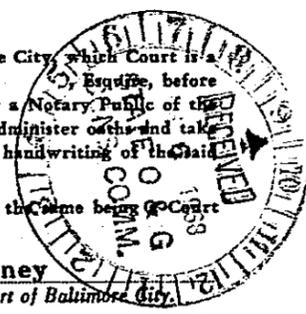
(SEAL) (Signed) Anne M. O'Brien
Notary Public.

STATE OF MARYLAND, }
BALTIMORE CITY, }

I, **James F. Carney**, Clerk of the Superior Court of Baltimore City, which Court is Court of Record, and has a seal, do hereby certify that **Anne M. O'Brien**, Esquire, before whom the annexed affidavits were made, and who has thereto subscribed his name, was at the time of so doing a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and sworn and authorized by law to administer oaths and take acknowledgments, or proof of deeds to be recorded therein. I further certify that I am acquainted with the handwriting of the said Notary, and verily believe the signature to be his genuine signature.

In Testimony Whereof, I hereto set my hand and affix the seal of the Superior Court of Baltimore City, the same being Court of Record, this **28th** day of **July**, A. D. 1966

(Seal) (Signed) James F. Carney
Clerk of the Superior Court of Baltimore City.



COPY OF RESOLUTION

That Whereas, it is necessary for the effectual transaction of business that this Company appoint agents and attorneys with power and authority to act for it and in its name in States other than Maryland, and in the Territories of the United States and in the Provinces of the Dominion of Canada and in the Colony of Newfoundland.

Therefore, be it Resolved, that this Company do, and it hereby does, authorize and empower its President or either of its Vice-Presidents in conjunction with its Secretary or one of its Assistant Secretaries, under its corporate seal, to appoint any person or persons as attorney or attorneys-in-fact, or agent or agents of said Company, in its name and as its act, to execute and deliver any and all contracts guaranteeing the fidelity of persons holding positions of public or private trust, guaranteeing the performances of contracts other than insurance policies and executing or guaranteeing bonds and undertakings, required or permitted in all actions or proceedings, or by law allowed, and

Also, in its name and as its attorney or attorneys-in-fact, or agent or agents to execute and guarantee the conditions of any and all bonds, recognizances, obligations, stipulations, undertakings or anything in the nature of either of the same, which are or may by law, municipal or otherwise, or by any Statute of the United States or of any State or Territory of the United States or of the Provinces of the Dominion of Canada or of the Colony of Newfoundland, or by the rules, regulations, orders, customs, practice or discretion of any board, body, organization, office or officer, local, municipal or otherwise, be allowed, required or permitted to be executed, made, taken, given, tendered, accepted, filed or recorded for the security or protection of, by or for any person or persons, corporation, body, office, interest, municipality or other association or organization whatsoever, in any and all capacities whatsoever, conditioned for the doing or not doing of anything or any conditions which may be provided for in any such bond, recognizance, obligation, stipulation, or undertaking, or anything in the nature of either of the same.

I, **H. G. Sachse**, an Assistant Secretary of the UNITED STATES FIDELITY AND GUARANTY COMPANY, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney given by said Company to **Paul Billingham and/or John O. Plescia**

of **Albuquerque, New Mexico**, authorizing and empowering **them** to sign bonds as therein set forth, which power of attorney has never been revoked and is still in full force and effect.

And I do further certify that said Power of Attorney was given in pursuance of a resolution adopted at a regular meeting of the Board of Directors of said Company, duly called and held at the office of the Company in the City of Baltimore, on the 11th day of July, 1910, at which meeting a quorum of the Board of Directors was present, and that the foregoing is a true and correct copy of said resolution, and the whole thereof as recorded in the minutes of said meeting.

In Testimony Whereof, I have hereunto set my hand and the seal of the UNITED STATES FIDELITY AND GUARANTY COMPANY on **2-1-68** (Date)

H. G. Sachse

Assistant Secretary.

September 13, 1968

Mr. Robert Sparks
United States Fidelity & Guaranty Company
2929 Monte Vista Boulevard N. E.
Albuquerque, New Mexico

Re: Little #1 Navajo
T6N, R8W, G & SRM
Sec. 26: SE/4 SE/4
Apache County, Arizona
Permit #453
Bond #: no number shown

Dear Mr. Sparks:

Records of this office indicate that on 9-13-68 Mr. Curtis J. Little fulfilled his obligation to the State of Arizona as to the requirements pertaining to the captioned well. We authorize termination of the captioned bond effective this date.

Yours truly,

John Bannister
Executive Secretary

JL:jf
cc: Mr. Curtis J. Little



PAUL BILLINGHAM, INC.

Insurance

UNITED STATES FIDELITY AND GUARANTY COMPANY

2929 Monte Vista Blvd., N.E. Telephone: 255-1643

ALBUQUERQUE, NEW MEXICO

Sept. 12, 1968

Mr. John Bannister
Oil & Gas Commission, State of Arizona
1624 W. Adams (Room 202)
Phoenix, Arizona 85007

Subject: Curtis J. Little, Albuquerque, New Mexico
Oil Drilling Bond
Section 26, Twp. 6N., Range 8W, Apache County, Arizona

Dear Sir:

Mr. Curtis J. Little would like to have the captioned bond released
by your office.

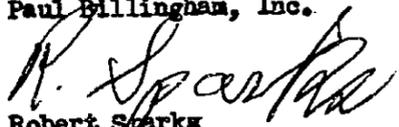
If possible, please send a written release to him at the following
address:

P.O. Box 8976
Albuquerque, New Mexico 87108

If any forms need to be completed prior to obtaining the release,
please forward whatever is necessary at your earliest convenience.

Sincerely yours,

Paul Billingham, Inc.


Robert Sparks
Office Mgr.

RS: tbs

cc: Mr. Curtis J. Little



September 11, 1968

Mr. Curtis J. Little
P. O. Box 8976
Albuquerque, New Mexico 87108

Attention: Mrs. C. J. Little

Dear Anne:

John is out of the office today and tomorrow. The forms you requested have been sent under separate cover. On checking through the Little No. 1 Navajo well file we find that all of the obligations are complete, and we are willing to cancel the \$5,000 drilling bond pertaining to that well when you request release of this bond. A new bond would be required for each new well you propose to drill; or, you might wish to establish a \$25,000 blanket bond.

Pleasantly recall the few moments we danced together the other night in Gallup.

Sincerely,

James A. Lambert
Administrative Assistant

JAL:jf

453

CURTIS J. LITTLE
CONSULTING GEOLOGIST
TELEPHONE (505) 268-8741
POST OFFICE BOX 8976
4300 SILVER AVENUE, S. E.
ALBUQUERQUE, NEW MEXICO 87108

September 10, 1968

Oil and Gas Conservation Commission
State of Arizona
1624 W. Adams
Room 202
Phoenix, Arizona 85007

Attention: Mr. John Bannister

Dear John:

Curtis will be drilling a couple of wells in Arizona in the relatively near future and we will be needing all the proper forms. Curtis says to ask you to send:

5 copies - Form 1
10 " - Form 3 + Form 2
5 " - Form 4
10 " - Form 9-
5 " - Form 10- *mail 9-11*

If you feel real generous today, you might send a few extra and if he neglected any, please include.

Curtis has a \$5,000 Drilling Bond for Arizona and we assume it will be sufficient to take care of drilling a well in the Lukachukai area. Please let us know if this is not adequate.

Sorry that we didn't get to visit more at the Navajo sale - but it was CHARGE to the phone - and the first ones didn't work.

Hope you all had a fine vacation.

Sincerely,

June

abl

453



CURTIS J. LITTLE
CONSULTING GEOLOGIST
TELEPHONE 268-8741
2929 MONTE VISTA BLVD., NE
ALBUQUERQUE, N. M. 87106

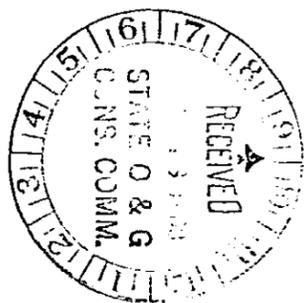
Mr John Barnister
Executive Secretary
Oil & Gas Conservation Commission
State of Arizona
1624 W. Adams
Room 202
Phoenix, Arizona 85007

Dear Sir

It is requested that your office keep Confidential all information on my Bear Springs No. 1, Section 26, Twp. 6 N6. Rge 8 W., Apache County, Arizona for the maximum allowable period of time. Thank you very much.

Yours very truly,

Curtis J. Little



453

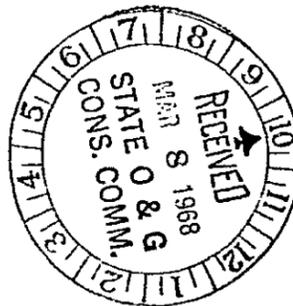
Bear Springs Sample delivered
to Four Corners Sample Cut
on March 8, 1968

Curtis J. Little

453

CURTIS J. LITTLE
CONSULTING GEOLOGIST
TELEPHONE 268-8741
2929 MONTE VISTA BLVD., NE
ALBUQUERQUE, N. M. 87106

March 7, 1968



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

Dear Jim:

Four Corners Sample Cut is to make you a cut of samples
on the Navajo No. 1 Bear Springs. Hope to see you soon.

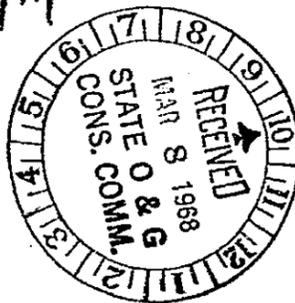
Best regards,

Curtis

Curtis J. Little

CJL:ln

*Was Pierce has in his
possession @ Tucson for
telcon on 9/11/68*



NOTE-O-GRAM[®]

© THE DRAWING BOARD • BOX 505 • DALLAS, TEXAS

POTEET ENGINEERING COMPANY

P. O. BOX 27 • FARMINGTON, NEW MEXICO 87401 • PHONE 325-7685

M E S S A G E

R E P L Y

TO Arizona Oil & Gas Commission
Suite 202
1624 West Adams
Phoenix, Arizona 85007

DATE

DATE February 6, 1968



Dear Sirs:

Enclosed herewith are two copies of the well location plat for the proposed well to be drilled in the Southeast Quarter of Section 26, T.6N., R.8W., Navajo Special Meridian, Apache County, Arizona. These copies are submitted for your files at the request of Mr. Curtis Little, the operator of the proposed well.

Sincerely yours,

E. L. Poteet

BY

453

INSTRUCTIONS TO SENDER:

1. KEEP YELLOW COPY. 2. SEND WHITE AND PINK COPIES WITH CARBON INTACT.

SIGNED

INSTRUCTIONS TO RECEIVER:

1. WRITE REPLY. 2. DETACH STUB, KEEP PINK COPY, RETURN WHITE COPY TO SENDER.



UNITED STATES FIDELITY AND GUARANTY COMPANY
PHOENIX OFFICE
3605 N. 7TH AVENUE, PHOENIX, ARIZONA 85013
TELEPHONE: 602/CRESTWOOD 7-4411

T. D. GIBSON
MANAGER

February 5, 1968

Arizona Oil & Gas Conservation Comm.
1624 West Adams
Phoenix, Arizona

Re: Bond No.
Principal: Curtis J. Little
Amount: \$5,000.00
Effective Date: 2-1-68

Gentlemen:

At the request of our Albuquerque Branch Office,
we are attaching herewith original of the above captioned
bond, properly executed and countersigned, for filing.
We trust you will find same to be in proper order.

Thank you for your assistance in this matter.

Yours Sincerely,

Glenna Fennell
Bond Department

Enclosure

CC: Paul Billingham, Inc., Albuquerque, N. Mex.

