

AUBERT & STEED Babbitt Bros.
E/4NE/4 S35 T14N R19E, Navajo County 291

P-1111

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 **Taubert & Steed** Address **1000 1st Wichita Nat'l Bank Bldg
Wichita Falls, Texas**

Federal, State or Indian Lease Number or name of lessor if fee lease **Babbitt Bros** Well Number **1** Field & Reservoir **Wildcat**

Location **660' N & E** County **Navajo**

Sec. TWP-Range or Block & Survey **Sec 35, T14N, R19E**

Date spudded **11-25-64** Date total depth reached **1-3-65** Date completed, ready to produce **P&A** Elevation (of RKB, RT or Gr.) **6012 KB** feet Elevation of casing hd. flange feet

Total depth **3822** P.B.T.D. Single, dual or triple completion? **P&A** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **P&A** Rotary tools used (interval) **0-3822** Cable tools used (interval)

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) **Schlumberger GRN, LL** Date filed **1-10-65**

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	32.75	171'	220	None
intermed	9 7/8	8 5/8	24/00	756'	set	None

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

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

INITIAL PRODUCTION

Date of first production **P&A 1-5-65** 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 bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)
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Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio
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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 **Agent** of the **Taubert & Steed** (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.

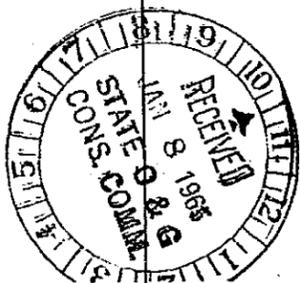
Date **1-5-65** Signature *[Handwritten Signature]*

Permit No. **291**

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

DETAIL OF FORMATIONS PENETRATED ★

Formation	Top	Bottom	Description*
Moenkopi	0	141	ss, siltstn, sh, rd brn, calc.
Coconino	141	806	ss, wht-buff, lt or, f-m-g, SR, fair srtg, porous & H ₂ O bearing (141-806)
Supai	806	2556	ss, rd brn, SR, porous & H ₂ O bearing in part sh, rd brn, silty, evaporitic and sandy in part anhy, wht xln, salt, wht-gy, xln water bearing (850-1275)
Naco	2556	3671	ls, wht-rd brn, lav, dns- f-xln, silty, sdy, and foss in part sh, rd brn, lav, purp-gy mott, calc. siltstn, rd brn, calc
Molas	3671	3688	sh, rd brn, silty, calc, w/abt intbdd sht
Redwall	3688	3694	ls, wht, xln, chlky
Martin	3694	3784	dol, lav, pale grn, porous to shy w/ intbdd lav, grn, rd dolo. sh.
Tapeats	3784	3800	ss, wht-pk, qtzitic
p 6-	3800	3822	granite, or-rd brn, qtz, feld, biotite, hornblende
			DST's and cores will be attached in forth coming well report.

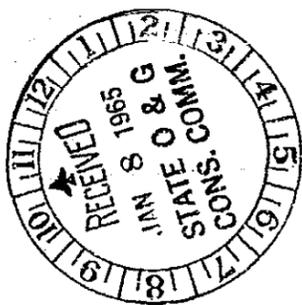


* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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 Taubert & Steed			Address Wichita Falls, Texas		
Federal, State, or Indian Lease Number, or lessor's name if fee lease Babbitt Bros		Well No. 1	Field & Reservoir Wildcat		
Location of Well Section 35 T14N, R19E				Sec-Twp-Rge or Block & Survey	County Navajo
Application to drill this well was filed in name of Taubert & Steed		Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day)		Dry? Dry
Date plugged: 1-5-65		Total depth 3822'	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day)		Water (bbls/day)
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					
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	171'	0	171'		None
8 5/8	756'	0	756'		None
Was well filled with mud-laden fluid, according to regulations?			Indicate deepest formation containing fresh water.		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name Sun Oil Co	Address P.O. Box 1553		Direction from this well:		
	Roswell, N.M.		Surrounding Acreage		
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.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Agent</u> of the <u>Taubert & Steed</u> (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 1--5-65		Signature <i>Doc M. Thomas Jr</i>			
Permit No. 291			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
			Form No. 10		



APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
OPERATOR Taubert and Steed ADDRESS 1000 First Wichita Nat'l Bank Bldg
Federal, State, or Indian Lease Number Whichita Falls, Texas WELL NO. 1
or Lessor's Name if Fee Lease Babbitt Bros.
SURVEY T14N, R 19E SECTION 35 COUNTY Navajo
LOCATION 660' N 660'E

TYPE OF WELL Dry Hole TOTAL DEPTH 3822'
(Oil, Gas or Dry Hole)
ALLOWABLE (If Assigned)
LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
GAS _____ (MCF) DATE OF TEST _____
PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

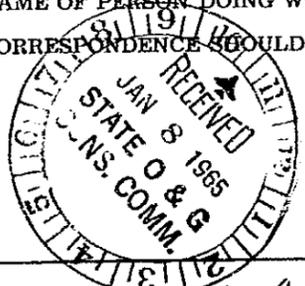
1. COMPLETE CASING RECORD
10 3/4" - 171' - w/ 220 sacks
8 5/8 - 756' - Set

2. FULL DETAILS OF PROPOSED PLAN OF WORK The hole will be filled with 8.5
mud and 30' cement plug will be set in the top of the 8 5/8 "
CSG.

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 1-4-65 P.O. Box 202
NAME OF PERSON DOING WORK D.M. Thomas, Jr. ADDRESS Farmington, N. M.

CORRESPONDENCE SHOULD BE SENT TO Taubert & Steed
Name
Owners
Title
1000 1st Wichita Nat'l Bank Bldg, Wichita Falls, Tex.
Address
1-4-65
Date



Date Approved 1-14-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Zammster

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

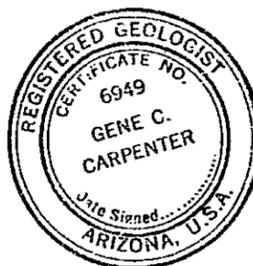
Permit No. 291

OFFICE 325-~~1033~~
325-1033

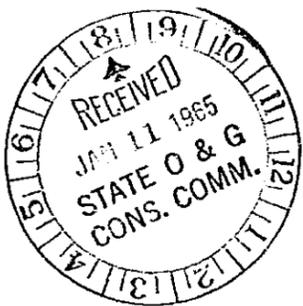
HOME PHONE 325-5540

DAVE M. THOMAS, JR.
PETROLEUM GEOLOGIST
P. O. BOX 202
FARMINGTON, NEW MEXICO 87401

GEOLOGIC REPORT
TAUBERT & STEED: BABBITT BROS. # 1
Navajo County, Arizona



291



GEOLOGIC REPORT

TAUBERT & STEED: BABBITT BROS. #1

Navajo County, Arizona

LOCATION

660' from the north line and 660' from the east line of section 35, Township 14 North, Range 19 East.

ELEVATION

6002' ground
6010' derrick floor
6012' Kelley drive bushing

CONTRACTOR

O'Donnell and Ewing Drilling Co. Inc., Rig #1, Unit 34,
Rotary tools.

SPUD AND COMPLETION DATA

Well commenced: November 25, 1964
Well completed: January 5, 1965, Plugged and Abandoned
Total Depth: 3822'
Plugging Program:
0-30' 15 sacks

CASING

Surface: 10 3/4" @ 171' with 220 sacks
Intermediate: 8 5/8" @ 756' set

LOG SURVEYS

Schlumberger - Laterolog from 758' to 3695'
Schlumberger - Gamma Ray - Neutron from 36' to 3818'

FORMATION TOPS

	Depth	K.B. Datum(plus)
TRIASSIC		
Moenkopi	surface	6012
PERMIAN		
Coconino	141	5871
Supai	806	5206

	salt member	828	5184
	Ft. Apache member	1470	4542
	Amos Wash member	1962	4050
PENNSYLVANIAN			
	Naco	2556	3456
	Molas	3671	2341
MISSISSIPPIAN			
	Redwall	3688	2324
DEVONIAN			
	Martin	3694	2318
CAMBRIAN			
	Tapeats	3784	2228
	pre-Cambrian	3800	2212

WELL CUTTINGS

10' samples from 100' to 3450'
 5' samples from 3450' to 3822' (Total Depth)
 Samples described below from 100' to 3822' (Total Depth).

SAMPLE DESCRIPTION:

100-30	100% sltstn, lt rd brn, gypsif in part, intbdd selenite
130-40	100% gypsum, wht, w/intbdd sltstn as above
<u>TOP COLONINO 141' LOGS</u>	
140-170	100% ss, wht yel, uncons, m-c-y, SR-A, fstd, qtz; Tr, selenite
170-200	100% ss, as above
200-210	100% ss, wht, uncons, f-c-g, domin m-g, SR-A, poor srtg, fstd qtz grs.
210-30	No samples
230-40	100% ss, wht-pale yellow, uncons-cons, m-c-g, SR-A, poor srtg, fstd, silic cmt, porous & friable in part, N-S; Tr rd brn sltstn, Tr rd brn claystone; Tr obsidian; Tr selenite

240-80 100% ss, as above, domin uncons & porous;
Tr rd brn claystone & sltstn; Tr gypsum, rose

280-90 100% ss, wht-salmon, as above; Tr clystone as
above; Tr gypsum, rose, xln

290-310 100% ss, wht, uncons, Tr cons ss, f-m-g, domin
m-g, occ c-g, as above; Tr gypsum & claystone,
as above

310-30 90% ss, as above; 10% clystn, rd brn, micac.,
sl/calc; Tr sh, gy grn, f-tex; Tr gypsum

330-40 100% ss, wht, un cons, f-m-g, SR-A; Tr clystn,
as above

340-400 100% ss, wht-pale yellow, cons, as above, silic
cmt, porous in part; Tr clstn, as above; Tr
gypsum, as above

400-50 100% ss, as above, bcm domin f-g, Tr gypsum

450-490 100% ss, wht, uncons, f-m-g, A-SR, as above;
Tr clystn, as above; Tr gypsum, wht, fibro

LOST CIRCULATION @ 495'
No returns to 800'

TOP SUPAI 806' LOGS (45214)

800-10 80% ss, wht-lt or, cons-uncons, f-m-g, SR-A,
porous, 20% sltstn, rd brn, gypsif, grdg to v-f-g,
silty ss

TOP SUPAI SALT 828' LOGS

810-30 80% anhy, wht-lt tan, xln, hd; 20% sltstn,
as above, appear intbdd

830-40 100% andy, as above; Tr sltstn, as above; Tr
gypsum

840-60 100% lithology as above; Tr ss, or-wht, f-g, sl
calc; Tr porosity, as above, N-S

860-80 80% anhy, wht-lt gy, xln, hd, grdg to rose
colored anhy; 20% ss, wht-lt or, uncons, f-g,
SR-A; Tr sltstn, as above; Tr gypsum, clear fibrous

880-90 100% gypsum, wht-tan-rose dns, f-xln, soft-
fibrous in part; Tr anhy, as above; Tr sltstn,
as above

890-900 50% gypsum, as above; 50% ss, lt or, uncons, v-f-f-g, SR-A

900-10 70% ss, as above; 20% anhydrite, as above, 10% sltstn, as above; Tr gypsum, as above

910-20 90% ss, as above; 10% gypsum, as above, Tr sltstn, as above

920-30 70% ss, as above; 30% gypsum, as above,

930-40 80% ss, as above; 20% gypsum, as above; Tr sltstn, as above

940-50 80% ss, as above; bcm cons, in part, cons, ss is gypsif; 20% gypsum, as above

950-80 60% ss, as above; 40% gypsum, as above

980-90 50% ss, as above; 30% gypsum, as above; 20% anhy, lt tan, dns -w-f-xln

990-1000 No samples

1000-10 20% ss, as above, 80% gypsum, as above; Tr sltstn, rd brn, sl/micac, gypsif

1010-40 60% gypsum, as above; 20% sltstn, as above 20% grdg to claystone, ss, as above

1040-50 50% gypsum, as above; 30% anhy wht-lt tan, f-xln, med hd; 20% sltstn, as above; Tr gy-grn, gypsif, sltstn, micac

1050-60 80% angy, lt tan, v-f-xln, dns, hd; 10% gypsum, as above; 10% sltstn, as above

1060-80 80% anhy, as above, with intbdd, brn, v-f-xln to suc, earthy dol, algae shadows; 10% sltstn, as above; 10% gypsum

1080-1100 50% dol, brn, dns-f-xln-f-suc, p-p- small vuggy, por, stn, No flour or cut, 30% gypsum, as above; 20% anhy, as above; Tr sltstn, as above

1130-50 100% gypsum, wht-lt tan-rose, f-xln-dns, fibrous; Tr sltstn & anhy

1150-80 50% sltstn & ss; rd brn, gypsif; 50% gypsum, as above

1180-90 90% ss, or, cons-uncons, v-f-g, gypsif, Sr-A friable, 10% gypsum, as above

1190-1200 90% ss, as above; 10% anhy, gy, f-xln, hd

1200-20 80% ss, as above; 10% anhy, as above; 10% dol, brn, dns, earth, occ anhy inclus

1220-30 50% anhy, gy, dns, v-f-xln, hd; 50% ss, as above; abt gypsum, as above

1230-40 20% dol, brn, dns, earthy, p-p-small vuggy, porous; Tr stn; 50% ss, as above; #0% anhy, as above

1240-50 30% ss, as above; 30% gypsum, as above; salt cast; 30% sltstn, as above; 10% dol, as above

1250-60 70% ss, as above; 20% gypsum, as above 10% sltstn, as above

1260-1320 70% ss, lt or, cons-uncons, v-f-f-g, SR-A gypsif; 10% anhy, as above; 20% gypsum, as above; Tr sltstn, as above; Tr dol, as above

1320-70 100% ss, or-rd brn, v-f-g, gypsif, shy in part grdg to sltstn, intbdd wht & pink gypsum as above; Tr choc brn, clystn; Tr anhy, as above

1370-1470 100% lithology as above; Tr of salts xln, w/ red impurities

TOP FT. APACHE 1470' LOGS

1470-1500 100% lithology as above; no salt casts; Tr dol brn, dns, p-p por, sl stn, earthy

1500-10 No samples

1510-20 70% ss, or-rd brn-wht, v-f-m-g, R-SA, vitreous, 10% sltstn, rd brn, sdy; 20% sh, rd brn micac

1520-70 No samples

1570-1620 70% ss, rd brn-or, v-f-f-g, SA-R, gypsif, porous in part-grds to sltstn in part; 20% gypsum, as above; 10% sltstn, rd brn, as above

1620-50 lithology as above; dol, tan, algae, volitic, p-p por

1650-70 lithlogy as above, no dol

1670-80 80% ss, lt or, uncons, v-f-g, SR-SA, 10% sltstn, rd brn, micac; 10% gypsum, as above

1680-90 60% ss, as above; 20% sltstn, as above;
20% gypsum, as above

1690-1700 100% ss, as above; Tr gypsum as above; Tr
sltstn, as above

1700-10 90% ss, as above; 10% gypsum, as above

1710-20 100% ss, as above; Tr gyp & sltstn

1720-60 70% ss, as above, 20% sltstn, as above, 10%
gypsum as above

1760-1800 100% as 1720-40

1800-10 50% ss, as above; 50% sltstn, as above

1810-20 90% gypsum ss, as above; 10% sltstn, as above
Tr gypsum, as above

1820-30 90% ss, as above; 10% sltstn, as above; Tr
gypsum, as above; Tr clystn, brk red

1830-70 100% ss, as above; Tr clystn, sltstn and
gypsum, as above

1870-80 60% ss, as above; 30% sh, rd brn, micac.
10% gypsum, as above; Tr brk red clystn, as
above

1880-90 100% ss, as above; Tr sh, rd brn, as above,
Tr gypsum, as above; Tr brk rd claystn, as above

1890-1900 50% ss, as above; 50% gypsum, mottled brk
red, x-lin-fibrous; Tr gy grn, sh

1900-20 70% ss, as above; 20% sh, as above; 10%
gypsum, as above

1920-40 100% ss, rd brn-or, v-f-g, uncons, SA-R, well
srt'd; Tr rd clystn; Tr rd brn sh, micac

TOP AMOS WASH 1962' LOGS

1940-70 50% ss, as above; 40% sh, rd brn, micac; Tr red
clystn; 50% gyp, as above

1970-2000 100% ss, as above

2000-10 90% ss, as above; 10% gypsum, as above; Tr sh
rd brn, as above

2010-20 80% ss, as above; 20% gypsum, as above; 10% sh, rd brn, silty in part

2020-40 90% ss, as above; 10% gypsum, as above; Tr sh, rd brn, as above

2040-90 100% ss, as above; Tr sh, rd brn, as above; Tr clystn, brk rd, as above; Tr gypsum, as above

2090-2100 80% ss, as above; 10% sh, rd brn, as above; 10% clystn, brk rd, intbdd gypsum

2100-2200 100% ss, rd brn, uncons, v-f-g, as above; grdg to siltstn; Tr rd brn sh & brk rd clystn

2200-10 100% ss, or-rd brn, uncons, v-f-g, SR-A, grdg to siltstn; Tr rd brn sh, as above; Tr gypsum as above

2210-20 80% ss, as above; 20% gypsum, as above; 10% sh, choc brn, blk; Tr dol, gy, earthy

2220-30 100% ss, or, uncons-cons, v-f-f-g, occ fltg m-g, SA-SR, w/intbdd rose colored c-xln gypsum; Tr ls, gy-brn; dns, dol; Tr gy grn siltstn; Tr sh, choc brn, sdy

2230-40 100% ss, as above; Tr rd brn sh as above; Tr clystn, brk rd

2240-50 80% ss, as above; 10% sh, rd brn as above; 10% agypsym, as above; Tr ls, gy brn, dns, frag, dol.

2250-60 lithology-as above; Tr ss, wht, cons, f-g, SA-SR
2260-70 cmtd w/ anhy material; Tr dol, gy brn, dns,
as 2240-50

2270-80 50% ss, as above, bcm cons in part; 40% sh, rd brn, silty; 10% gypsum, as above; Tr brk rd claystone; Tr gy grn siltstone

2280-90 80% ss, as above; 10% gypsum, as above; 10% sh, rd brn, as above; Tr red claystone, as above

2290-2450 100% ss, as above; Tr sh, claystone & gypsum, as above

2450-60 cavings

2460-70 90% ss, as above; 10% gypsum, as above

2470-80 100% ss, as above; bcm argill & silty; Tr rd brn sh, as above

2490-2500 100% ss, as above; Tr gypsum, as above; Tr clystn, brk rd; Tr rd brn sh, as above; Tr ls, gy brn, dns

TOP NACO 2556' LOGS

2500-2690 100% ss, rd brn, uncons- grdg to sltstn, calc; Tr ls, as above; Tr sh, rd brn, as above; Tr brk rd claystone

2690-2700 No samples

2700-10 90% sh, domin purp, purp-gy, mott, choc brn, d brnblky, silty in part, calc; occ ls nod; 10% ls, purp gy-gy brn, dns, frag argill; silty in part

2710-30 80% sh, as above; 20% ls, as above

2730-50 100% sh, as above; Tr ls, as above; inc in ls nodules

2750-60 100% sh, purp, purp gy mott, rd brn, hd, blk. calc, ls nodules- Tr ls, as above

2760-70 100% sh, as above; Tr ls, as above, also rd brn, dns, argill, silty ls

2770-80 100% sh, as above; Tr ls, as above; Tr cht dk or opaque cht

2780-90 80% sh, as above; 20% ls, rd brn, f-xln, hd, tite; argill silty Tr ls as above

2790-2800 90% sh, as above; 10% ls, as above

2800-10 100% sh, as above; Tr ls tan-gy, dns, frag

2810-20 lithology, as above; Tr ss, wht, cons, v-f-g, SA-SR, sl calc, hd, tite

2820-40 100% sh, purp-purp gy mott, rd brn, hd, blk calc, ls nod, silty in part; Tr ls purp, as above, v/argill

2840-60 100% sh, as above; Tr crystall calcite; ls, gy, dns, frag

2860-70 100% sh, as above; Tr ls, as above; Tr mott purp ls c-xln-dk gy c-xln

2870-80 60% sh, as above; 30% ls, gy-gy brn, dns, frag sl dol; 10% dol, lt gy dns, earthy, calc

2880-90 50% sh, as above; 50% ls, gy-gy grn, dns, v-f-xln, frag

2890-2900 80% ls, gy-brn, gy grn, f-xln, dns, frag, dol in part, silty in part, Tr pelletoidal ls; 20% sh, as above

2900-10 50% ls, as above; 50% sh, as above; Tr dol, as above

2910-30 30% ls, as above; 70% sh, as above; Tr rd brn calc siltstone; Tr ss, as above; Tr sh, grn, v-xy sl/calc

2930-40 60% ls, as above, bcm sdy in part; 40% sh, as above; Tr gy grn sh, as above

2940-50 30% ls, as above; 70% sh, as above

2950-60 20% ls, as above; 80% sh, as above; Tr gy wxy sh

2960-70 30% ls, mott- gy, f-c xln, v/frag, dol & argill in part; Tr ls, as above

2970-80 50% ls, mott gy, gy-wht, as above; wht purp & gy ls; dns sl/dol; 50% sh, gy, gy purp mott gy grn mott-rd brn, silty & sdy in part, ls nod, Tr dol, tan dns, calc

2980-90 40% ls, as above; 40% sh, as above

2990-3000 80% sh, as above; 20% ls, as above

3000-30 100% sh, as above; dec in ls nodules; Tr ls, grn-gy to rd brn, f-xln, hd tite argill, dol

3030-40 90% sh, as above; 10% ls as above; Tr ls, tan, dns, dol

3040-40 80% sh, rd brn, mott purp, grn gy, sl calc, silty in part; 20% ls, gy, purp gy mott-grn gy tan, dns- f-xln, frag, argill & dol in part, sdy in part - Tr ss, cons v-f-g, SA-SR, hd, tite, sl/calc

3050-60 90% sh, as above; 10% ls, as above; Tr ss, as above

3060-70 80% sh, as above; 20% ls, as above; Tr rd brn, calc siltstn

3070-80 90% sh, as above; 10% ls, as above; Tr ss, as above; Tr siltstn, as above

3080-3100 40% ls, mott purp gy-gy-tan dns, m-xln, v/frag, pelletoidal, dol in part; 60% sh, as above

3100-10 90% sh, as above; domin rd brn and gy; 10% ls, as above

3110-20 80% sh, as above; 10% ss, uncons, v-f-g, SA-SR; 10% ls, as above

3120-30 100% sh, as above; Tr ls, as above

3130-40 50% sh, as above; 10% ls, as above

3140-50 100% sh, as above; Tr ls, as above

3150-60 80% sh, as above; 20% ls, as above

3160-70 30% ls, wht-tan, mott purp-purp, dns-v-f-xln, frag in part; 70% sh, as above

3170-90 70% ls, tan lt gy, dns-v-f-xln,, intbdd or opaque cht - sl/dol-sparsely foss (crinoids) sl/dol, 30% sh, as above

3190-3200 lithology as; above; no cht; Tr ss, v-f-g, lt-gy, calc

3200-30 80% ls, tan-lt gy, dns-m-xln, frag, sparsely foss; occ or opaque cht intbdd; Tr ls, tan, f-gran, dol 20% sh as above

3230-40 80% ls, as above; bcm sdy in part; 20% sh, as above, inc in f-gran tan dol ls; Tr intra gran por, sl stn; no cut, sl flour, no sho gas dection

3240-50 50% ls, as above, bcm argill in part; Tr dol ls as above; 50% sh, as above

3250-60 80% sh, gy, rd brn, mott purp; 20% ls, as above

3260-70 90% sh, as above; 10% ls, as above

3270-90 90% sh, as above; Tr ls, as above

3290-3320 50% sh, as above; 50% ls, as above

3320-30 80% ls, as above; 20% sh, as above

3330-40 20% ls, as above bcm argill; 80% sh, as above

3340-60 60% ls, tan-gy-gy brn, dns-f-xln; 40% sh, as above

3360-70 50% sh, as above; Tr tan opaque cht; 50% sh, as above

3370-3400 100% sh, gy grn-rd brn, purp, flky, calc in part; Tr cht, tan opaque; Tr ls, wht-silty, sclky & ls, as above

3400-30 90% sh, as above; 10% ls, as above; cht 3420-30
or, opaque

3430-40 80% sh, as above; 20% ls, as above; lith

3440-50 40% ls, tan, gy- pale purp, f-xln-f-gran, frag
in part; Tr bright or opaque cht sl/foss; 60%
sh, as above

3450-60 50% ls, as above bcm m-xln in part; 50% sh,
as above

3460-70 20% ls, as above bcm dol; 80% sh, as above; Tr
ss, wht, v-f-g, calc tite

3470-75 60% ls, as above; 40% sh, as above

3475-80 90% sh, as above; Tr ls, as above; Tr ss, as
above

3480-85 20% ls, as above, bcm dol, Tr or & tan opaque
cht; 80% sh, as above

3485-90 90% sh, as above; 10% ls, as above; Tr dns gy
brn, dol

3495-3515 100% sh, rd brn, mott purp gy, pale grn, calc
in part;; silty in part; Tr ls, as above

3515-30 100% sh, as above; Tr ls, mott purp-lt gy,
frag, silty in part-dns-v-f-xln

3530-35 90% sh, as above; 10% ls, wht-pale purp, tan,
dns-v-f-xln; purp ls is silty

3535-40 90% sh, as above; 10% ls, as above; bcm donin
wht-tan, dns; Tr or opaque cht

3540-55 lithology, as above; inc in choc brn sh

3555-65 20% ls, gy-tan, dns, sl frag, intbdd or opaque
cht; 80% sh, as above; Tr ss, cons v-f-g gy,
calc, tite

3565-70 40% ls, mott purp gy, dns-f-xln, frag; 30%
dol pale purp to pk, f-suc sdy; 30% sh, as above

3570-80 40% ls, as above; bcm dol in part; 30% dol,
as above; 30% sh, as above

3580-85 20% ls, as above; 10% dol, as above; 70% sh, as
above

3585-90 20% ls, as above; 30% dol, as above; 50% sh, as above; 30% Tr weathered granitic material, weathered feldspar, muscovite, hornblende

3590-95 100% sh, dk rd brn, gy grn mott purp gy, scatt weathered granitic material; Tr ls & dol as above

3595-3600 100% lithology, as above; Tr qtzit

3600-15 20% ls, mott purp-gy, v-f-xln-dns, fragin part silty in part; dol in part; 80% sh, as above; Tr gy sh; Tr granitic material, as above

3615-20 10% ls, as above; 90% sh, as above

3620-25 40% ls, as above; Tr or trans cht; 60% sh, as above; Tr granitic material, as above

3625-30 lithology, as above; Tr ss, gy, cons, v-f-g, hd, tite

3630-60 10% ls, as above; 90% sh, as above

3660-65 lithology, as above; sl inc in cht

3665-75 40% ls, as above silty, abt intbdd wht & or opaque to trans cht; 60% sh, as above; Tr granitic material, as above

TOP MOLAS 3671' LOGS

3675-90 Tr ls, as above; 20% cht, or, tan, wht trans; 80% sh, domin rd brn, as above; Tr granitic material, as above

TOP REDWALL 3688' LOGS

3690-3700 10% ls, wht-mott purp dns, frag in part; chky in part; Tr cht, as above; 90% sh, rd brn-purp, as above

TOP MARTIN 3702 LOGS

3700-18 100% dol, pk-lav, rose, pale grn, v-f-xln, Tr int xln por; Tr flour, No cut

Cored 3718-44

3745-80 100% dol, pk-lav, rose-gy, v-f-xln, hd, tite with filty rounded qtz grs & intbdd grn & purp shs; Tr ss, f-c-g, cons, dcl, hd tite N-S

3780-85 100% ss, wht, cons, f-m-g, S-R, hd, tite, dol, friable in part

TOP TAPEATS 3784' LOGS

- 3785-90 100% ss, rose-wht, as above; v/heavily cmtd with dol cmt
- 3790-95 100% ss, cons, wht-rose, f-m-g, as above; inc in friable ss; N-S
- 3795-3800 90% ss, as above, bcm hd & tite & qtztic in part; 10% dol, as above

TOP pre CAMBRIAN 3800' LOGS

- 3800-10 100% ss, as above, bcm v/hd & tite, sl dol, silic; Tr sh, gy-gy grn, dolo.
- 3810-15 80% ss, as above; 20% granite, or-rd, xln, qtz, feld, biatite
- 3815-3822 100% granite, as above

DRILLING TIME

Five foot drilling time from 100' to 3822' (total depth) is listed below.

	Air Drilling
100-200	16-16-25-44-22-17-13-30-6-10-9-9-15-15-----8-11
	Mud Drilling
200-300	14-15-16-8-4-4-6-6-4-4-6-3-4-8-4-3-3-3-4
300-400	3-4-5-11-12-10-3-10-6-18-16-10-4-5-6-5-8-4-5
400-500	7-9-11-6-7-7-10-6-6-6-6-4-7-6-8-12-16-11-12-6
500-600	6-4-5-4-9-5-6-6-6-3-3-5-6-5-4-5-5-10-9
600-700	9-3-2-3-3-3-4-3-2-2-2-2-3-2-3-2-3-2
700-800	3-3-2-2-3-3-7-5-5-4-4-4-7-5-4-6-6-2
800-900	4-3-4-4-3-3-4-6-5-5-5-4-3-6-4-3-6-5-4-4
900-1000	5-5-3-3-4-4-3-3-4-5-4-4-5-4-4-4-4-3-3
1000-1100	3-3-3-5-5-3-4-3-2-2-3-6-6-4-3-4-5-4-4-4
1100-1200	4-4-4-3-3-5-5-2-1-3-4-4-1-3-4-10-4-4-26-27
1200-1300	10-5-21-11-17-17- 28-19-5-6-5-8-6-4-4-3-5-16-13-14
1300-1400	13-13-13-5-5-7-9-9-9-8-7-10-9-9-8-9-7-7-7-7
1400-1500	6-7-7-8-9-9-9-7-7-6-8-8-6-6-4-7-11-13-11-13
1500-1600	11-8-9-7-8-6-5-5-6-6-5-7-4-5-5-5-7-7-3-7
1600-1700	8-7-5-7-9-8-9-11-10-9-11-12-14-13-16-16-15-7-9-7
1700-1800	7-9-10-11-9-11-10-10-11-10-10-9-9-5-6-5-7-5-6-5
1800-1900	4-4-5-4-5-5-7-6-6-6-4-4-5-5-5-6-5-6-6-6
1900-2000	5-5-7-6-7-7-7-5-6-6-5-6-11-20-16-8-6-6-7-6
2000-2100	7-6-7-6-9-13-9-8-7-6-7-7-----15-8-8
2100-2200	8-8-12-11-6-11-13-12-8-8-6-10-7-8-6-9-9-10-13-9
2200-2300	7-8-9-10-9-13-12-17-22-17-11-9-21-12-10-11-10-8-10-15
2300-2400	19-14-14-12-15-16-13-13-12-17-16-10-28-26-13-12-12-10-13-15
2400-2500	25-24-18-18-18-13-9-14-19-44-32-22-10-10-8-8-9-13-11-10
2500-2600	8-6-6-10-8-10-27-13-8-8-8-8-10-11-10-9-8-7-9-15

2600-2700	23-12-12-10-11-13-13-17-16-14-10-11-9-14-15-9-9-13-13-103
2700-2800	87-71-24-26-29-23-21-20-21-20-21-21-21-22-19-16-16- 16-21-23-25-27
2800-2900	26-23-27-37-33-27-27-33-29-28-24-25-33-33-34-26-33- 25-32-33
2900-3000	35-28-27-25-30-28-25-24-25-28-27-29-31-30-32-26-30- 34-43-35
3000-3100	25-25-22-26-27-29-29-30-29-32-32-3231-33-36-30-56- 54-33
3100-3200	42-43-65-67-34-28-28-37-36-29-27-20-20-31-35-37-30-34- 24-23
3200-3300	39-31-33-29-33-30-28-25-32-46-44-50-47-49-53-53-46- 26-25-23
3300-3400	20-23-22-22-24-25-28-24-30-38-31-31-31-26-26-26-27-24- 24-26
3400-3500	30-28-33-25-29-36-36-38-34-38-34-33-37-51-76-122- 100-70-27-23
3500-3600	28-24-25-27-25-29-32-27-26-26-17-25-32-35-34-35-30- 47-40-44
3600-3700	45-46-33-39-43-45-39-47-54-62-42-35-26-42-42-41-51- 53-42-49
3700-3800	21-22-17-17 (cored interval) 39-26-19-27-30-17-34- 55-30-25-32
3800-3820	63-89-40-145

CORING RECORD

Core No. 1: 3718 - 24'
cut 6', recovered 3.3'

Company: Drilling & Service
Bit Size: 7 13/16" x 3 1/2"
Average Weight: 17,000
Average RPM: 60
Type Mud: Salt Gel

Mud Weight: 9.4
Viscosity: 46
Water Loss: 8.8
Pressure on Bottom: 600
Pressure off Bottom: 400

Depth	Minutes per foot	
3718-19	34	
20	34	
3820-21	31	
22	30	
23	29	
24	40	
3718-19	(1')	dol, pale pk, v-f-xln, random flts m-g qtz grs, Tr pin point porosity W-S
20	(1')	dol, pale purp-pale grn mott, v-f-xln, argill, random xln, calcite inclus.
21.3	(1.3')	dol, lt gy, v-f-xln, silic, w/random vertical and horizontal hairline red dolomitic shale laminae
24	(2.7')	No recovery - barrel jammed

Core No. 2: 3724 - 44
cut 20', recovered 20'

Company: Drilling & Service
Bit Size: 7 13/16" x 3 1/2"
Average Weight: 17,000
Average RPM: 60
Type Mus: Salt Gel

Mud Weight: 9.4
Viscosity: 46
Water Loss: 6
Pressure on Bottom: 600
Pressure off Bottom: 400

Depth	Minutes per foot	Depth	Minutes per foot
3724-25	23	3734-35	20
26	23	36	24
27	26	37	16
28	21	38	20
29	21	39	19
30	20	40	20
3730-31	20	3740-41	36
32	16	42	25
33	20	43	25
34	16	44	52

- 3724-25 25 (1') dol, lt gy, v-f-xln, silic, w/ random vertical and horizontal hairline dolomitic shale laminae; hd and tite, v/frac
- 26 (1') dol, as above, abt sh inclus, and blebs as above; v/frac
- 27 (1') dol, mott gy grn - pale purp, v-f-xln, silic, argill in part, vertical hairline shale laminae, as above
- 28 (1') dol, mott gy grn - pale purp, v-f-xln, w/ random xln calcite crystals and veins; Hairline shale laminae, as above
- 29 (1') dol, lt gy, v-f-xln, hd, tite, v/frac
- 30 (1') dol, as 3727-28
- 31 (1') dol, mott gy grn - pale purp, v-f-xln, w/ intbdd horizontal pale purp argill dol laminae and pale purp shale laminae
- 32 (1') dol, gy grn, v-f-xln, hd, tite, w/ random flig m-g, rdd, qtz grs.
- 33 (1') dol, mott gy grn to pale purp, v-f-xln, hd, tite, w/ occ fltg rdd m-g qtz grs.
- 34 (1') dol, gy grn, v-f-xln, hd, tite, w/ random pale purp dol shale inclus.
- 35 (1') dol, as above, w/ intbdd grn and rd brn dol shale laminae
- 36 (1') dol, gy grn, v-f-xln, hd, tite, w/ random high angle calcite veins

- 37 (1') dol, as 3732-33, v/frac
- 38 (1') dol, gy grn, v-f-xln, hd, tite, w/abt nodular rd brn dol. shale inclus and laminae
- 39 (1') dol, purp, v-f-xln, v/ argill, w/ occ. fltg rdd m-g qtz grs, v/frac
- 40 (1') dol, mott pale pk, f-xln, hd, tite w/ random high angle xln calcite veins throughout, v/frac
- 41 (1') dol, mott pale purp to gy grn, f-xln, hd, tite, abt qtz gr inclus as above, v/frac
- 43 (2') dol, pale purp, f-xln, hd, tite, v/frac
- 44 (1') dol, as above, bcm v/sdy, sd grs are m-g, rdd. v/frac (barrel jammed)

DST RECORD

DST # 1: 3706-18

Haliburton testers:

ISIP: Not recorded

Open 1 hr., weak blow air immediately, died 1 hr.

Recovered 30' Drilling mud, N-S

IFP - Not recorded

FFP - Not recorded

FSIP - Not recorded

IHP - 1567 #

FHP - 1567 #

No shut in or flowing pressures recorded. Tool partially plugging throughout test

CHRONOLOGICAL LOG

11-23-64

Moving in

11-24-64

Moving in & Rigging up

11-25-64

Rigging up (16 hrs): Drilling rat and mouse hole (8 hrs)

11-26-64

TD 55', Reaming & conditioning hole (12 hrs): Ran 2 jts 16" csg set @ 46'. cemented with 125 sacks (1hr). WOC (3hrs): Cement job failed: Plugging Pulling surface pipe (1 hr): Leveling derrick (3 hrs): waiting on orders (1 hr): Laying down 16" surface and going in hole with 15" bit (3 hrs)

Air (19 hrs) 11-28-64	Drlg 75', Drlg (10 hrs): conditioning hole (9 hrs): Rigging up flow line (1hr): Waiting on orders (3 hrs)
Air (9 hrs) 11-29-64	Td 171', conditioning hole (8 hrs): Pull out of hole & run casing(3 hrs): Ran 5 jts (161') 10 3/4" 32.00 casing set @ 171 w/220 sacks 2% CaCl, PD 10:15 AM: WOC and nipping up (20 hrs): Drlg plug (1 hr)
Air (3 hrs) 11-30-64	Drlg 188', Drlg (3 hrs): Trip (1hr): mixing mud & lost circulation material (21 hrs)
(Mud) 12-1-64	Drlg 217', Drlg (10 1/2 hrs): Mix mud and lost circulation material(12 hrs): Trip (1 1/2 hrs)
(Mud) 12-2-64	Drlg 496', Drlg (43/4hrs):Mixing mud & lost circulation material(19 1/2 hrs)
(Mud) 12-3-64	TD 756', Mising mud(20hrs): Trip (2hrs): Reaming to 453', 9 7/8 bit(2 hrs)
(Mud) 12-4-64	TD 756', reamed 9 7/8" to 756' (2hrs): Mix mud (3 1/2 hrs): Trip & unload casing (2 1/2 hrs): Attempting to run 8 5/8" casing (8hrs): Reaming and mixing mud(8hrs)
(Mud) 12-5-64	TD 756', Attempting to run 8 5/8" casing (6hrs): Mixing mud(6hrs): Reaming (4hrs): Waiting on under-reamer (8hrs)
(Mud) 12-6-64	Td 756', Waiting on under-reamer(10 1/2 hrs): under-reaming to 12 1/2"(6hrs): Mixing mud (2 1/2 hrs): Trip (2hrs): Running 8 5/8" (745. 88') 24#, J-55, set @ 756'(1hr): Nipping up (2hrs)
(Air) 12-7-64	TD 756', Drlg (9 hrs): Nipping up, going in Hble and blowing hole dry (15hrs)
(Air) 12-8-64	Drlg 1190', Drlg (24hrs)
(Air) 12-9-64	Drlg 1652', Drlg (20 1/2 hrs): Repairs (3 1/2 hrs)
(Air) 12-10-64	Drlg 2202', Drlg (4 1/2 hrs): Trip, plugged collars and washing to bottom (19 1/2 hrs)

(Air) 12-11-64 Drlg 2278', Drlg (13hrs): Trip, slope test and washing to bottom(11hrs)

(Air) 12-12-64 Drlg 2454', Drlg (14hrs): Trip and condition hole (10hrs)

(Mud) 12-13-64 TD 2697', condition hole, mixing mud and combating lost circulation

(Mud) 12-14-64 TD 2697', ditto

(Mud) 12-15-64 TD 2697', ditto

(Mud) 12-16-64 TD 2697', (16hrs) Drlg (8hrs)

(Mud) 12-17-64 Drlg 2832', Drlg (16 hrs); Trip (4½hrs); Repairs (3½hrs)

12-18-64 Drlg 2992', Drlg (19 hrs): Trip (4 hrs); Deviation survey (1 hr)

12-19-64 Drlg 3118', Drlg (21½ hrs): Trip (2 hrs); Repairs (½ hr)

12-20-64 Drlg 3281': Drlg (20½hrs): Trip (3 ¾hrs)

12-21-64 Drlg 3468': Drlg (13 ¾ hrs): Trips (8½hrs); Rig repairs(2 hrs)

12-22-64 Drlg 3570': Drlg (14½hrs): Trip (3½hrs); Rig repair (6 ½hrs)

12-23-64 Drlg 3668': Drlg (5 hrs): Logging (11 hrs): Prep to shut down for Christmas (8 hrs)

12-24-64 thru 12-28-64 Shut down for Christmas

12-29-64 TD 3700': Conditioning hole & trip (24 hrs)

12-30-64 TD 3702': Drlg (¼hr): Mixing mud to combat lost circulation (23 ¾ hrs)

12-31-64 TD 3702': Working stuck drill pipe (8 hrs): condition hole (7hrs): Drlg & circ. samples (9 hrs)

1-1-65 TD 3718': cond. hole for DST (8 hrs) DST & trip (8 hrs): going in hole to core (2 hrs): mixing mud (2½hrs): coring (3½hrs)

1-2-65 TD 3724': Pulling wet string (8 hrs)
 Coring (10 hrs): pulling core barrel-
 wet string (6 hrs)

1-3-65 TD 3744': Trip (6 hrs): Drilling 18 hrs

1-4-65 TD 3822': Schlumberger (8 hrs): Lay
 down drill pipe and attempting to pull
 8 5/8 (16 hrs)

1-5-65 Plugged and abandoned.

BIT RECORD

No.	Size	Make	Type	From	To	Footage	Hours
1	8 3/4	CP	EHI	171	217	46	4
2	8 3/4	CP	EMIV	217	453	236	8
3	8 3/4	CP	EMIV	453	756	303	12
4	9 7/8	CP	EMIV	Reamed 8 3/4" hole			
5	7 7/8	CP	EHI	756	1361	605	18
6	7 7/8	CP	EHI	1361	2202	841	28 1/2
7	7 7/8	CP	EHI	2202	2454	252	17 3/4
8	7 7/8	CP	EHI	2454	2697	243	11 1/2
9	7 7/8	CP	EHI	2697	2889	182	17
10	7 7/8	CP	EH3	2889	2992	103	10
11	7 7/8	CP	EHI	2992	3118	126	16
12	7 7/8	CP	EH3	3118	3284	166	21
13	7 7/8	CP	EH3	3284	3474	190	20 1/4
14	7 7/8	CP	EH3	3474	3651	177	19 1/4
15	7 7/8	CP	EH3	3651	3700	49	7
16	7 7/8	CP	EH3	3700	3822	96	11

TOTAL ROTATING HOURS - 221 1/4

DEVIATION RECORD

No.	Degrees	Depth
1	7	606
2	5 1/2	1595
3	1 1/4	3118

DISCUSSION

This well was drilled to explore two possibilities: (1) porosity development in the Devonian Martin formation and (2) to obtain a structurally high position to the Lockhart

well located in Section 33, T 14 N, R 20 E, Navajo County, Arizona which recorded oil shows in the Martin Formation.

Sample examination of the Upper Martin formation indicated the presence of intra-crystalline porosity with a trace of pinpoint porosity. Fluorescence was noted with no stain or cut. The interval 3718-44 was cored with no "show" recorded.

The interval 3706-3718 was drill stem tested by Haliburton testers. The complete results are listed within the text of the report under DST RECORD. The lack of formation fluid recovery indicates a lack of permeability in the upper Martin formation.

Structurally, the well ran low. Using the top of the Martin formation as a structural datum the well is 29 feet low to the Lockhart well, located in Section 33, T 14 N, R 20 E, Navajo County, Arizona.

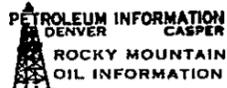
Porosity and water saturation calculations were made on all potential zones. Fair porosities were noted, but all of these horizons calculated from 70 to 100% water saturation from the Laterolog.

The well was subsequently abandoned 1-5-65.

Dave M. Thomas Jr
Dave M. Thomas, Jr.
Petroleum Geologist

ARIZONA
NAVAJO CO.
WILDCAT (W)

291



Twp 14n-19e
R. 35
Sec 35
660 s/n 660 w/e.

OPR: Taubert & Steed

WELL #: 1 Babitt Bros-Fee

ELEV: 6010 Gr

DSTS. & CORES:

SPUD: 12-1-64

COMPL: 1-5-65

TOPS: Log-Samples

DST 3706-18, rec 30
mud, pressures not re-
corded, (tool plugged).
Crd 3718-24, rec 3.3
dolo, ppp. Crd 3724-44
rec 20 dolo interbedded
w/sd & sh.

TD: 3822

PB:

Coconino 141
Supai 806
Ft Apache 1470
Naco 2556
Mississippian 3688
Devonian 3694
preCambrian 3800

CSG: 10-3/4" @ 171 w/225
8-5/8" @ 756, (set).

PERF:

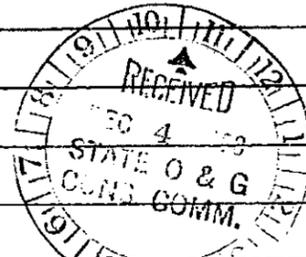
PROD. ZONE:

INIT. PROD: D&A

Contr: O'Donnell & Ewing

ARIZ3-569110

Flow Time	1st	Min.	2nd	Min.	Date	1-1-65	Ticket Number	189151
Closed in Press. Time	1st	Min.	2nd	Min.	Kind of Job	OPEN HOLE	Halliburton District	FARMINGTON
Pressure Readings	Field		Office Corrected		Tester	WHITESIDES	Witness	-
Depth Top Gauge	3686'	Ft.	-	Blanked Off	Drilling Contractor	O'DONNELL AND EWING DRILLING COMPANY	BM	
BT. P.R.D. No.	283		12	Hour Clock	Elevation	-	Top Packer	3706'
Initial Hydro Mud Pressure			1669		Total Depth	3718'	Bottom Packer	-
Initial Closed in Pres.			-		Interval Tested	3706' - 3718'	Formation Tested	DEVONIAN
Initial Flow Pres.		1	-		Casing or Hole Size	7 7/8"	Casing Top Perfs.	-
Final Flow Pres.		2	-		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.		-	-		Size & Kind Drill Pipe	4 1/2" F.H.	Drill Collars Above Tester	2 1/4" I.D. - LENGTH 60'
Final Hydro Mud Pressure			1669		Mud Weight	9	Mud Viscosity	40
Depth Cen. Gauge				Blanked Off	Temperature	-	Anchor Size & Length	ID 2 1/2" OD 6" X 11'
BT. P.R.D. No.				Hour Clock	Depths Meas. From	ROTARY TABLE	Depth of Tester Valve	3681' Ft.
Initial Hydro Mud Pres.					Cushion	NONE	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.					Recovered	35'	Feet of	drilling mud
Initial Flow Pres.		1			Recovered		Feet of	
Final Flow Pres.		2			Recovered		Feet of	
Final Closed in Pres.		-			Recovered		Feet of	
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	3716'	Ft.	YES	Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	349		24	Hour Clock	Tool Opened	9:20 AM	A.M. P.M. Tool Closed	11:00 AM A.M. P.M.
Initial Hydro Mud Pres.			1665		Remarks	MISRUN. PLUGGED PERFORATIONS AND TOOL.		
Initial Closed in Pres.			-					
Initial Flow Pres.		1						
Final Flow Pres.		2						
Final Closed in Pres.		-						
Final Hydro Mud Pres.			1665					



FORMATION TEST DATA

RABBIT
 Lease Name
 1
 Well No.
 1
 Test No.
 WILDCAT
 County
 MARIQUA
 State
 ARIZONA
 TAUBERT AND STEED
 Lease Owner/Company Name
 WICHITA FALLS, TEXAS
 Owner's District



TALbert & Steed location

5-18-65

(location is still a bit rough)

6-A

Falbert & Aled

(12-28-64)

Top: Coconino	141'
Supai transition	732
Supai	806
Salt	828
Ft Apache	1470
Amos Wash	1962
Naco	2556
Molas	3671
Miss	3688

(RUNNING 57-60 ft low to Lydia Johnson and Lockhart wells)

WRITING on orders. Hope to start back DRLg tonight 12-28-64

#291

Message for _____

DATE 12-11 TIME 4:00

WHILE YOU WERE OUT

Mr. O'Donnell

of _____

Phone (291) _____

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL HER HIM	<input type="checkbox"/>
CALLED TO SEE YOU	<input type="checkbox"/>	WILL CALL AGAIN	<input type="checkbox"/>
WANTS TO SEE YOU	<input type="checkbox"/>	RETURNED YOUR CALL	<input type="checkbox"/>

Message Has tax structure
 in from Colo - Nebraska
 Steed is bringing
 Texas - will have copies
 for Comm mtg. --
 Drilling @ 2465 ft. 300 bbls
 salt water per hr.
 Received by _____

For an additional supply of this form
PHONE ALPINE 4-7231

ARIZONA-MESSENGER Printing Co.
1207 E. Washington Phoenix 30, Arizona

December 8, 1964

Memo to: File 291
Taubert & Steed Babbitt Bros Fee #1 well
NE/4NE/4 S35 T14N R19E, Navajo County

From: John Bannister, Executive Secretary

I visited this well on December 7 and December 8, 1964.

The well is located four miles west of Snowflake on Highway 160, and north approximately eight miles. Go west from Snowflake. The turnoff is approximately half-way between mileage markers 331 and 330, on the Bar R Ranch road. Proceed north just past all ranch buildings and then swing west.

The well was drilling at approximately 1,380 feet, plus or minus, in the Supai. It is expected that the Fort Apache member of the Supai will be reached late this evening at a depth of approximately 1,775 feet.

There were some slight oil stains in Dolomite.

291

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

DATE September 23, 1964

TAUBERT & STEED

Wichita Falls

Texas

Address

1000 First Wichita National Bank Building

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease Babbitt Brothers Fee	Well number one (1)	Elevation (ground) 6010 feet
Well location and acreage dedicated to the well (give footage from section lines) 660 feet from North line and 660 feet from East line		Section—township—range or block & survey Section 35 T14N-R19E E 1/2 NE 1/4 dedicated
Field & reservoir (if wildcat, so state) Wildcat	County Navajo	
Distance, in miles, and direction from nearest town or post office 10 miles N. W. of Snowflake, Arizona		
Nearest distance from proposed location to property or lease line: 660 feet	Distance from proposed location to nearest drilling completed or applied—for well on the same lease: _____ feet	
Proposed depth: 3800	Rotary or cable tools Rotary	Approx. date work will start After approval
Number of acres in lease: 640 acres	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
Status and amount of bond Bond applied for \$2,500.	Organization Report On file Or attached attached	Filing Fee of \$25.00 Attached attached

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 Partner of the TAUBERT & STEED (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 Taubert

Date

9/23/64

Permit Number: 291
Approval Date: Oct 1, 1964
Approved By: John Gannister
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

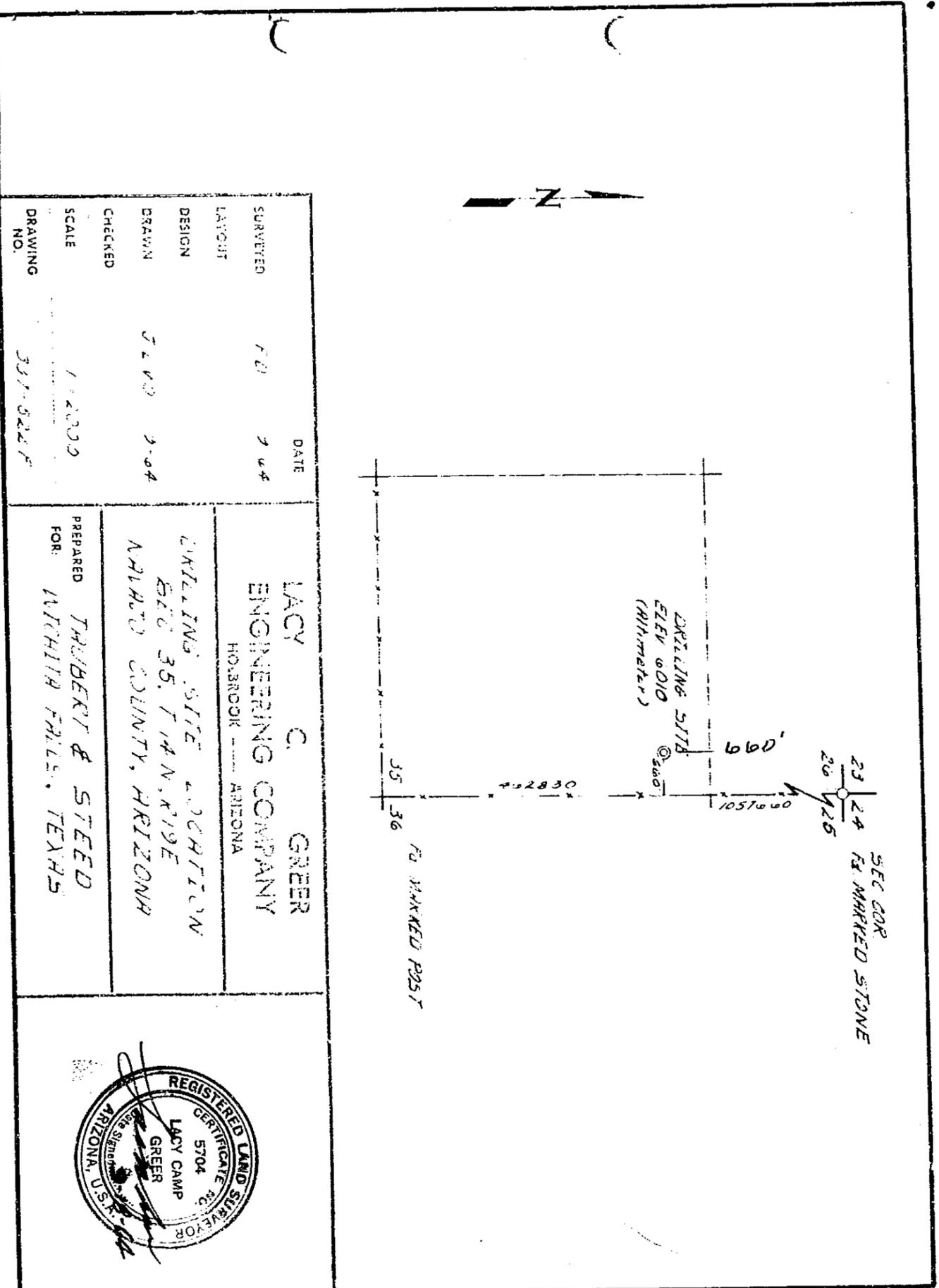
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill, Deepen or Plug Back and Plat
File Two Copies
Form No. 3

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 4 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 4 is "no," list all the owners and their respective interests below:

Owner TAUBERT & STEED	Land Description Section 35, T14N-R19E.
	<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 J. E. Taubert</p> <p>Position Partner</p> <p>Company Taubert & Steed</p> <p>Date September 23, 1964</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
10 3/4	32#	H-40	0	600' est.	600 ft.	200 circulate



SURVEYED	7 04	DATE	7 04
LAYOUT			
DESIGN			
DRAWN	J. V. D.		7-04
CHECKED			
SCALE	1" = 200'		
DRAWING NO.	311-022F		

LACY C. GREER
 ENGINEERING COMPANY
 HOENROCK ARIZONA

DRILLING SITE LOCATION
 SEC 35, T14N, R19E
 MARICOPA COUNTY, ARIZONA

PREPARED FOR:
 THUBERT & STEED
 WICHITA FALLS, TEXAS



BOND

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. _____

That we: J. E. Taubert & N. A. Steed dba Taubert & Steed

of the County of: Wichita in the State of: Texas

as principal, and The Travelers Indemnity Company

of 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:

660 feet from North line and 660 feet from East line, Section 35 T14N-R19E, 10 Miles
(May be used as blanket bond or for single well)

N. W. of Snowflake, Arizona, Navajo County.

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 \$2500.00

Witness our hands and seals, this 28th day of September 1964

Taubert & Steed

By: [Signature]
Principal

and seals, this 29th day of September 1964

The Travelers Indemnity Company

By: [Signature]
Attorney-in-Fact

J. M. Barnard
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: 10-1-64
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: John Barnister

Permit No. 291

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
CANCELLED
Bond
File Two Copies
Form No. 7

DATE 9-7-65

The Travelers Indemnity Company
Hartford, Connecticut

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That THE TRAVELERS INDEMNITY COMPANY, a corporation of the State of Connecticut, does hereby make, constitute and appoint

J. M. Barnard, J. M. Barnard, Jr., Ethel McLaughlin, all of Wichita Falls, Texas, EACH

its true and lawful Attorney(s)-in-Fact, with full power and authority, for and on behalf of the Company as surety, to execute and deliver and affix the seal of the Company thereto, if a seal is required, bonds, undertakings, recognizances or other written obligations in the nature thereof, as follows:

Any and all bonds, undertakings, recognizances or other written obligations in the nature thereof not exceeding in amount Five Hundred Thousand Dollars (\$500,000) in any single instance

and to bind THE TRAVELERS INDEMNITY COMPANY thereby, and all of the acts of said Attorney(s)-in-Fact, pursuant to these presents, are hereby ratified and confirmed.

This appointment is made under and by authority of the following by-laws of the Company which by-laws are now in full force and effect:

ARTICLE IV, SECTION 10. The President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Vice President, any Secretary or any Department Secretary may appoint attorneys-in-fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company to execute and deliver, and affix the seal of the Company thereto, bonds, undertakings, recognizances or other written obligations in the nature thereof and any of said officers may remove any such attorney-in-fact or agent and revoke the power and authority given to him.

ARTICLE IV, SECTION 12. Any bond, undertaking, recognizance or written obligation in the nature thereof shall be valid and binding upon the Company when signed by the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, or any Vice President and duly attested and sealed, if a seal is required, by any Secretary or any Department Secretary or any Assistant Secretary, or when signed by the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, or any Vice President and countersigned and sealed, if a seal is required, by a duly authorized attorney-in-fact or agent; and any such bond, undertaking, recognizance or written obligation in the nature thereof shall be valid and binding upon the Company when duly executed and sealed, if a seal is required, by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority granted by his or their power or powers of attorney.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of THE TRAVELERS INDEMNITY COMPANY at a meeting duly called and held on the 30th day of November, 1959:

VOTED: That the signature of any officer authorized by the By-Laws and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

This power of attorney revokes that dated October 8, 1956 on behalf of J. M. Barnard, J. M. Barnard, Jr., Ethel McLaughlin

IN WITNESS WHEREOF, THE TRAVELERS INDEMNITY COMPANY has caused these presents to be signed by its proper officer and its corporate seal to be hereunto affixed this 11th day of January 19 63.

THE TRAVELERS INDEMNITY COMPANY

By

R. W. Kammann

Secretary, Fidelity and Surety



State of Connecticut, County of Hartford—ss:

On this 11th day of January in the year 1963 before me personally came R. W. Kammann to me known, who, being by me duly sworn, did depose and say: that he resides in the State of Connecticut; that he is Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of his office under the by-laws of said corporation, and that he signed his name thereto by like authority.



Margaret D. Tuttle

Notary Public

My commission expires April 1, 1964

CERTIFICATION

I, W. A. Person, Assistant Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY certify that the foregoing power of attorney, the above quoted Sections 10 and 12 of Article IV of the By-Laws and the Resolution of the Board of Directors of November 30, 1959 have not been modified or revoked and are now in full force and effect.

Signed and Sealed at Hartford, Connecticut, this day of 19 .




Assistant Secretary, Fidelity and Surety

THE TRAVELERS

THE TRAVELERS INSURANCE COMPANY · THE TRAVELERS INDEMNITY COMPANY



September 3, 1965

DALLAS OFFICE
Adolphus Tower Building
1412 Main Street
DALLAS, TEXAS 75202
Telephone: RIVERSIDE 7-8261

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

Gentlemen:

Re: Bond No. 1236052

Insured J. E. Taubert & N. A. Steed dba Taubert & Steed

Address Wichita County, Texas

Kind of Bond Oil and Gas Drilling Bond covering 660 feet from North line and 660 feet from East line, Section 35 T14N-R19E, 10 miles N.W. of Snowflake, Arizona

Date of Bond September 28, 1964

Cancellation Provision: _____

We, the undersigned, are surety on the above captioned bond written in your favor.

We hereby give notice of our desire to terminate this bond as to further liability in accordance with its terms.

We would appreciate your forwarding acknowledgement of this cancellation in the enclosed return envelope, giving us the date on which our liability may be terminated.

Thank you very much for your cooperation in this matter.

Yours very truly,

THE TRAVELERS INDEMNITY COMPANY

By Sam R. Kimmell

Sam R. Kimmell, Attorney-in-Fact

We have been advised that this well has been completed and the bond is no longer necessary. Will you please give us the date our bond may be terminated. Thanks.



#291

HOME OFFICE: HARTFORD, CONNECTICUT



December 20, 1968

Taubert & Steed
1000 First Wichita National Bank Building
Wichita Falls, Texas

Re: Taubert & Steed #1 Babbitt Bros Fee
T14, R19E, G & SRM
Sec. 35: NE/4 NE/4
Navajo County, Arizona
Permit #291

Gentlemen:

In our letter of 12-6-68 we requested an IE Log
and a SL-C Log. Please advise when we can
expect to receive these logs. We do need these
logs to make our file complete and would appreciate
your cooperation. Thank you.

Yours truly,

James A. Lambert
Administrative Assistant

jf

*Notified us no copies available" on 1/2/69.
Bond released in 1965. Too late to take
the action - 96
291 1/9/69*

December 6, 1968

Taubert & Steed
1000 First Wichita National Bank Building
Wichita Falls, Texas

Re: Taubert & Steed #1 Babbitt Bros Fee
T14, R~~19~~E, G & SRM
Sec. 35: NE/4 NE/4
Navajo County, Arizona
Permit #291

Gentlemen:

Our records indicate that an IE Log and a SL-C
Log were made on the captioned well. We do
not have copies of these two logs in our files.
Would you please furnish these logs.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

291

November 29, 1968

Taubert & Steed
1000 First Wichita National Bank Building
Wichita Falls, Texas

Re: Taubert & Steed #1 Babbitt Bros Fee
T14N, R79E, G & SRM
Sec. 35: NE/4 NE/4
Navajo County, Arizona
Permit #291

Gentlemen:

A review of the file pertaining to the captioned well indicates that a Drill Stem Test was run on this well. We would appreciate receiving any information you may have concerning this test and any other data that would make our records complete.

Recd 12/4/68

Yours truly,

James Scurlock
Geologist

jf

291

September 7, 1965

The Travelers Indemnity Company
Adolphus Tower Building
1412 Main Street
Dallas, Texas 75202

Attention: Mr. Sam R. Eismail

Re: Taubert & Steed #1 Habbitt Bron. Poo well
3-14N-19E, Navajo County, Arizona
Our Permit 291
and
Your Bond 1236052

Gentlemen:

In reply to your letter of September 3, 1965, please be advised that the captioned well has been completed in full compliance with our Rules and Regulations.

This letter will constitute permission of this Commission to release captioned bond effective September 7, 1965.

We appreciate your cooperation.

Yours very truly,

John Bannister
Executive Secretary
nr

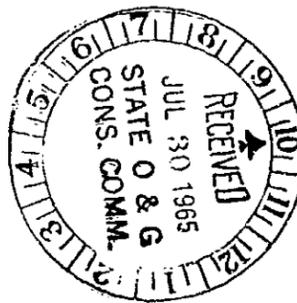
cc: Taubert & Steed
1000 First Wichita National Bank Bldg
Wichita Falls, Texas

211

TAUBERT & STEED

Suite 1000 First-Wichita National Bank Building
WICHITA FALLS, TEXAS

July 28, 1965



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

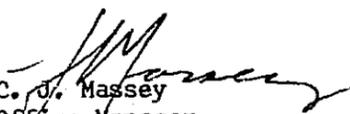
Re: Taubert & Steed
Babbitt Bros. #1 Fee Well
NE/4 NE/4 35 - T14N - R19E
Navajo County, Arizona

Gentlemen:

With reference to your letter of July 13, 1965, we have requested that Mr. Joe Barrett of Phoenix take care of this requirement for a marker on the captioned well. Upon his notifying us of erecting a marker, we will in turn notify the Commission.

Yours very truly,

TAUBERT & STEED


C. O. Massey
Office Manager

cc - Mr. Joe Barrett
2211 N. 81st Way
Phoenix, Arizona

201

8.9.65
Joe Barrett telephoned
said it was ~~not~~ ^{marked}
JO

C
O
P
Y

July 13, 1965

Taubert & Steed
1000 First Wichita National Bank Bldg.
Wichita Falls, Texas

Re: Taubert & Steed Babbit Bros. #1 Fee well
NE/4NE/4 35-T14N-R19E, Navajo County, Arizona
Permit 291

The Travelers Indemnity Company Bond

Gentlemen:

In my letters of May 24 and June 11, 1965 I brought to your attention the requirement for a proper marker on the captioned well.

To date we have not been informed as to when you plan to erect this marker. Will you please let us know your intentions.

Your earliest cooperation in erecting this marker is requested.

Yours very truly,

J.R. Scurlock
Petroleum Geologist
JR

cc: The Travelers Indemnity Company
Hartford, Connecticut

201

July 13, 1965

Taubert & Steed
1000 First Wichita National Bank Bldg.
Wichita Falls, Texas

Re: Taubert & Steed Babbit Bros. #1 Fee well
NE/4NE/4 35-T14N-R19E, Navajo County, Arizona
Permit 291

The Travelers Indemnity Company Bond

Gentlemen:

In my letters of May 24 and June 11, 1965 I brought to your attention the requirement for a proper marker on the captioned well.

To date we have not been informed as to when you plan to erect this marker. Will you please let us know your intentions.

Your earliest cooperation in erecting this marker is requested.

Yours very truly,

J.R. Scurlock
Petroleum Geologist
MR

cc: The Travelers Indemnity Company
Hartford, Connecticut

291

June 11, 1965

Taubert & Steed
1000 First Wichita National Bank Bldg.
Wichita Falls, Texas

Re: Taubert & Steed Babbit Bros. #1 Yee well
NE/4NE/4 35-T14N-R19E, Navajo County, Arizona
Permit 291

Gentlemen:

In my letter of May 24, 1965 I brought to your attention the need for a proper marker on the captioned well. Rule 202.A.7 states this requirement.

It is requested that this office be notified when the marker is erected. Your earliest cooperation is requested.

Yours very truly,

J.R. Scurlock
Petroleum Geologist
nr

21

May 24, 1965

Taubert & Steed
1000 First Wichita National Bank Bldg.
Wichita Falls, Texas

Re: Taubert & Steed Babbitt Bros. #1 Fee well
NE/4NE/4 S35-T14N-R19E, Navajo County, Arizona
Permit 291

Gentlemen:

In visiting the above location recently I noted that you
had failed to erect the required marker pipe.

You will have to see about this before we can release your
bond.

Yours very truly,

J.R. Scurlock
Petroleum Geologist

JS

21

January 15, 1965

Taubert & Steed
1000 First Wichita National Bank Bldg.
Wichita Falls, Texas

Gentlemen:

We are forwarding herewith a copy of the approved Application to Abandon and Plug.

Your cooperation has been very much appreciated. If this office may be of assistance, please do not hesitate to contact us.

Yours very truly,

John Bannister
Executive Secretary

mr
eac

21

December 23, 1964

Mr. Bert McComack
Box L.
Snowflake, Arizona

Dear Bert:

Enclosed is an assortment of forms necessary for completing the file on the Taubart & Steed well.

Should the well be turned over as a water well, we should receive the notarized agreement and the Well Completion Report.

Should the well be plugged instead, we should receive the Application to Plug, Plugging Record, as well as the Well Completion Report.

Of course we should receive copies of all logs taken on this well.

If this office can be of any assistance to you, please let us know.

Yours very truly,

John Bannister
Executive Secretary
JB
enc

281

October 1, 1964

Taubert & Steed
1000 First Wichita National Bank Bldg.
Wichita Falls, Texas

Attention: Mr. J.E. Taubert

Re: Babbitt Bros. Fee #1 Well
NE/4NE/4 S35, T14N, R19E, Navajo County Arizona
Permit 291

Gentlemen:

We are forwarding herewith approved copy of Application for Permit to Drill captioned well, approved copy of bond, and receipt No. 9389 for Twenty-five Dollars for the filing fee.

If this office may be of any help to you, please let us know.

Yours very truly,

John Bannister
Executive Secretary

mr

291