

BEFORE THE
OIL CONSERVATION DIVISION
NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES

IN THE MATTER OF THE APPLICATION OF
AMERIND OIL COMPANY FOR DIRECTIONAL
DRILLING AND AN UNORTHODOX
WELL LOCATION, LEA COUNTY, NEW MEXICO.

RECEIVED

JAN 10 CASE NO. 9591

APPLICATION

OIL CONSERVATION DIVISION

AMERIND OIL COMPANY, by and through its undersigned attorneys, hereby makes application to the Oil Conservation Division for approval of directional drilling and an unorthodox well location, and in support thereof would show the Division:

1. Applicant is the operator of the E/2 SW/4 of Section 2, Township 17 South, Range 37 East, N.M.P.M., Lea County, New Mexico, on which is located its MTS State No. 1 Well at a surface location 1830 feet from the South line and 660 feet from the East line of Section 2. This well was drilled to an approximate depth of 11,800 feet to test the Strawn formation and was plugged and abandoned in December, 1987.

2. Applicant proposes to either reenter its MTS State No. 1 Well and directionally drill to a bottom hole location within 50 feet of a point 2310 feet from the South line and 330 feet from the East line of Section 2, or, should applicant be unable to reenter said well, to drill a new well at an unorthodox location

2310 feet from the South line and 330 feet from the East line of Section 2 to an approximate depth of 11,800 feet to test the Strawn formation, Shipp-Strawn Pool.

3. Applicant seeks authority to directionally drill and also seeks an exception to the well location requirements of Rule 4 of the Division's Special Rules and Regulations for the Shipp-Strawn Pool to permit the above described unorthodox well location in the Strawn formation.


4. A standard 80-acre spacing unit comprising the E/2 SE/4 of Section 2 should be dedicated to the well.

5. That approval of this application will afford applicant the opportunity to produce its just and equitable share of the hydrocarbons in the Strawn formation and will otherwise be in the best interest of conservation, the prevention of waste and the protection of correlative rights.

WHEREFORE, Applicant requests that this matter be set for hearing before a duly appointed Examiner of the Oil Conservation Division on February 1, 1989, that notice be given as required by law and the rules of the Division, and that the Division enter its order granting the applicant permission to reenter and directionally drill its MTS State No. 1 Well, approving an unorthodox location in the Strawn formation, and providing such other and further relief as is proper.

Respectfully submitted,

CAMPBELL & BLACK, P.A.

By: 
WILLIAM F. CARR
Post Office Box 2208
Santa Fe, New Mexico 87504
Telephone: (505) 988-4421

ATTORNEYS FOR AMERIND
OIL COMPANY

Florence:

The application I filed
this morning was incorrect.

Location is: E/2 SE/4

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGEN
MARK F. SHERIDAN
J. SCOTT HALL
JOHN H. BEMIS
MARTE D. LIGHTSTONE
PATRICIA A. MATTHEWS

RECEIVED
JAN 10 1989
OIL CONSERVATION DIVISION

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

January 10, 1989

HAND-DELIVERED

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

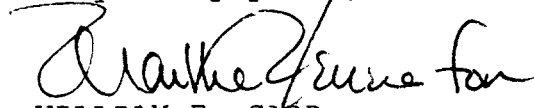
Case 9591

Re: In the Matter of the Application of Amerind Oil Company
for Directional Drilling and an Unorthodox Well Location,
Lea County New Mexico

Dear Mr. LeMay:

Enclosed please find an Amended Application of Amerind Oil Company
in the above-referenced case. Amerind Oil Company respectfully
requests that this matter be placed on the docket for the Examiner
hearings scheduled on February 1, 1989.

Very truly yours,


WILLIAM F. CARR

WFC:mlh

Enclosures

cc w/enclosures: Mr. Bill Seltzer
Amerind Oil Company

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By:

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WILLIAM F. CARR

Post Office Box 2208

Santa Fe, New Mexico 87504

Telephone: (505) 988-4421

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OIL COMPANY

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100750

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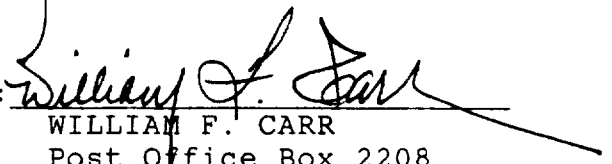
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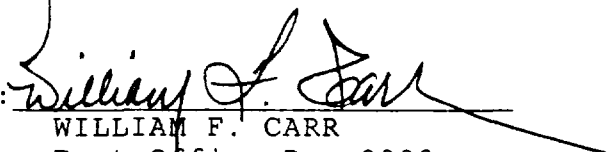
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ATTORNEYS FOR AMERIND
OIL COMPANY

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-162
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator AMERIND OIL COMPANY			Lease MTS STATE MTS		Well No. 1
Unit Letter I	Section 2	Township 17-S	Range 37-E	County LEA	
Actual Footage Location of Well:					
1830'	feet from the	SOUTH	line and	660'	feet from the
3746'	Ground Level Elev.	Strawn	Producing Formation	Shipp Strawn	Pool
80	Dedicated Acreage:	Acres			

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Robert C. Leibrock

Name

Robert C. Leibrock

Position

Vice President

Company

Amerind Oil Co.

Date

November 12, 1987

I hereby certify that the well location shown on this 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.

Date Surveyed **GARY D.**

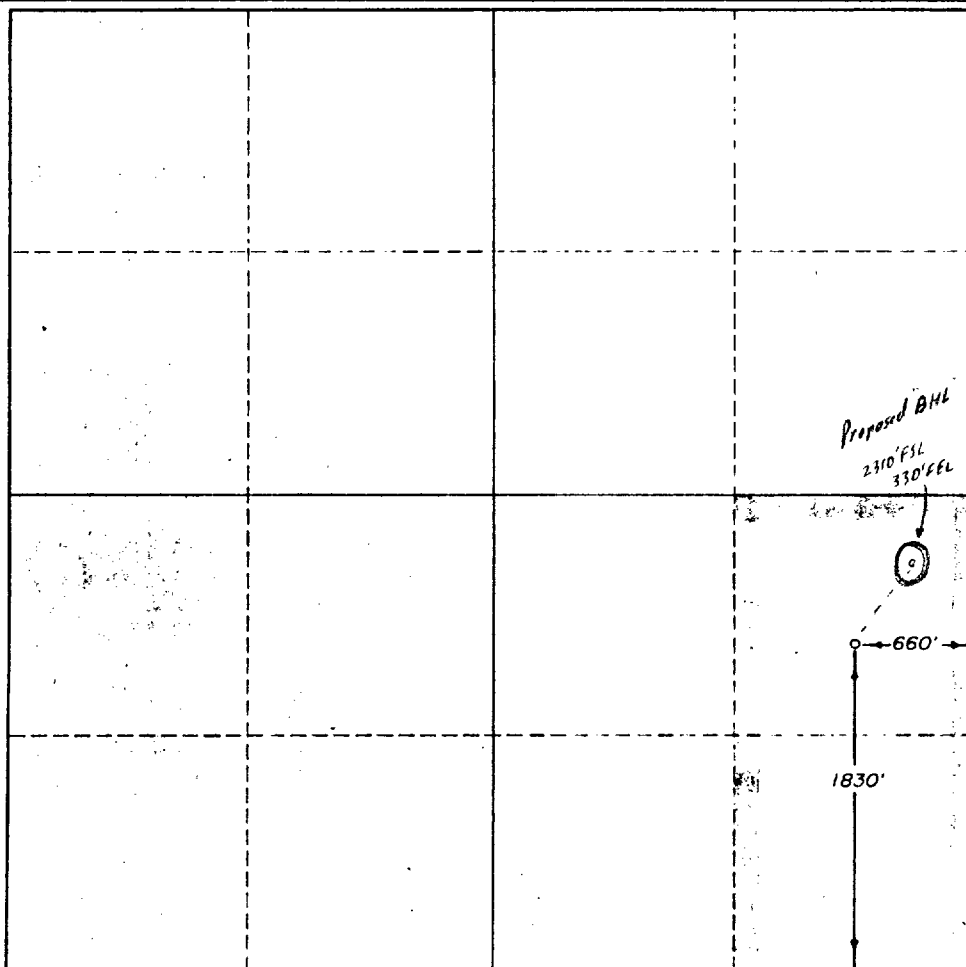
NOV 15 1987

Registered Professional Engineer and/or Land Surveyor

NO. 6689

Certification No.

6689



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
V-654	

1a. TYPE OF WELL	
OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>
NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>
DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
DIFF. RESVR. <input type="checkbox"/>	OTHER <input type="checkbox"/>
b. TYPE OF COMPLETION	
P & A	

7. Unit Agreement Name
8. Farm or Lease Name
State MTS
9. Well No.
1

2. Name of Operator	
Amerind Oil Co.	
3. Address of Operator	
500 Wilco Bldg., Midland, Texas 79701	

10. Field and Pool, or Wildcat
Shipp Strawn

4. Location of Well	
UNIT LETTER I	LOCATED 1830 FEET FROM THE South
LINE AND 660	FEET FROM
THE East	LINE OF SEC. 2
TWP. 17S	RGE. 37E
NMPM	Lea

12. County
Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
11-18-87	12-15-87	N/A	3746' GL, 3762' KB	3746'
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
11,835'	N/A			Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
N/A
25. Was Directional Survey Made
Yes, attached

26. Type Electric and Other Logs Run	
Dual Induction Laterolog; Compensated Neutron-Density; Sonic; Dipmeter	
27. Was Well Cored	
No	

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
12-3/4"	35#	403'	17-1/2"	350 sx Cls "C"; circ 35 sx	None
8-5/8"	32 & 24#	4500'	11"	1450 sx PSL, 200 sx Cls "C"	None
				neat; circ 125 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					N/A		

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
N/A		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		N/A	

33. PRODUCTION							
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)						
N/A							
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By

35. List of Attachments
Record of Inclination, Drill Stem Test Report, Logs (3), C-103

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		
SIGNED	TITLE	DATE
Robert C. Leibrock	Vice President	January 6, 1988

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. This form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>2127'</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>11,530'</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka <u>11,822'</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>3317'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>5303'</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta <u>6617'</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>8545'</u>	T. Granite _____	T. Todillo _____	T. _____
T. Drinkard <u>8719'</u>	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>10,067'</u>	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Pennian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, from _____ to _____

No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet

No. 2, from _____ to _____ feet

No. 3, from _____ to _____ feet

No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	4500	4500	(no samples)				
4500	10965	6465	dolo, w/lm, shale, sand				
10965	11530	565	lime & shale				
11530	11765	235	lime				
11765	11822	57	sandy lime				
11822	11835	13	shale				

HOBBS OFFICE

JAN

7 1968

RECEIVED



PERMIAN TESTERS, INC.

P.O. BOX 6441 • PHONE 366-0811
ODESSA, TEXAS 79767

TICKET NO. 6540
DATE December 13, 1987
ORDER NO.
DISTRICT

COMPANY	Amerind Oil Company		WELL NO	1	TEST NO	2	FORMATION	Lower Strawn Lime	ELEVATION	3746' GL
LEASE	M.T.S. State		COUNTY	Lea	STATE	New Mexico	INTERVAL TESTED	11,485	TO 11,632	ANCHOR LENGTH 147'
FIELD	HOLE AND MUD DATA									
DRILL STEM TEST DATA										
BOTTOM HOLE CHOKE	5/8"	SURFACE	1" Adj.	CUSHION	None					
TIME TOOL OPENED	9:46 A.M.		RECORDER DATA							
TOOL OPEN BEFORE ISIP	1	HRS.	0	MIN.	TYPE	AK-1	CAPACITY	8375		
FINAL SHUT-IN	1	HRS.	45	MIN.	TOP	13833	DEPTH	11472		
2L OPEN	2	HRS.	15	MIN.	BOTTOM	13832	DEPTH	11629		
FINAL SHUT-IN	2	HRS.	18	HR.	CLOCK TOP	18 Hr.	BOTTOM	24 Hr.		
SURFACE ACTION Preflow: Opened with a weak blow increasing to 6" in water at 10 min. Final Flow: Opened with a good blow, to bottom of bucket. Opened to pit on 1/2" choke at 5 min. with 2 lbs. Blow slowly decreased to 25 oz. @ 10 min.; 21 oz. @ 15 min.; 17 oz. @ 20 min.; 13 oz. @ 25 min.; 10 oz. @ 30 min.; 7 oz. @ 35 min.; 5 oz. @ 40 min.; and 3 oz. @ 45 min.										
RECOVERY Approx. 1770' gas in drill pipe 440' gas cut drlg mud, bottom 150' heavy gas cut.										
Chl of recovery top, mid, bot, 3,000 PPM Rw. 2.2 @ 600										
REMARKS										
SUCCESSFUL TEST	Yes	B H TEMPERATURE		164	°F		11,468			
TESTER	Don Terhune	APPROVED BY		Jim Yelcy						
RECORD NO										
A	(INITIAL HYDROSTATIC PRESSURE)	RECORD NO		13833	RECORD NO		13833			
B	(INITIAL PRE-FLOW PRESSURE)	5517		PSI	PSI		5517			
C	(FINAL PRE-FLOW PRESSURE)	221		PSI	PSI		221			
D	(INITIAL SHUT-IN PRESSURE)	10		MIN	MIN		267			
E	(INITIAL FLOW PRESSURE)	60		MIN	MIN		2601			
F	(FINAL FLOW PRESSURE)	45		MIN	MIN		217			
G	(FINAL SHUT-IN PRESSURE)	138		MIN	MIN		224			
H	(FINAL HYDROSTATIC PRESSURE)	5468		PSI	PSI		5468			
TOOL DATA										
NO PACKERS	2	STRAODLE TEST								
SIZE PACKERS	6 3/4	CSG TEST								
CONVENTIONAL TEST	Yes									
TYPE TOOL	DEPTH	LENGTH	ID	OD						
4 1/2 XH DP		10957	3.8	4.5						
4 1/2 H90 DC		430	2.3	6.0						
Cir Sub	11387	1								
2 DC		60								
Shut-in		6								
Sampler		3								
Hvd. Tool		5								
Jars		6								
Recorder		5								
Safety Jt.		2								
Packer	11480	6								
Packer	11485	5								
Perf										
4 DC										
Perf										
Recorder		147'								
DRLG CONT Moranco										
										PAG # 7

RECORDER NO. 13833 DEPTH 11472 FT.

INITIAL FLOW

DT (MIN) PRESSURE (PSIG)

0	220.7
10	267.0

RECORDER NO. 13833 DEPTH 11472 FT.

FINAL FLOW

DT (MIN) PRESSURE (PSIG)

0	216.5
5	189.2
9	197.6
15	195.5
20	197.6
29	189.2
36	218.6
45	224.9

	I Hyd	5517
	IPF	221
10	FPF	267
60	ISI	2601
	IFF	217
45	FFF	224
138	FSI	2348
	F Hyd	5468

RECORDER NO. 13833 DEPTH 11472 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 10 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE (PSIG)	DP (PSIG)	P COR X .001
0		267.0	0.0	
1	1.041	311.1	44.1	26.8
2	.778	346.0	79.8	120.3
3	.637	370.0	105.0	130.4
4	.544	401.3	134.3	161.1
5	.477	437.0	170.0	191.0
6	.426	470.5	203.5	221.4
7	.385	510.4	245.4	252.0
8	.352	535.4	260.5	286.7
9	.325	504.0	297.0	319.0
10	.301	600.3	333.4	360.4
15	.222	796.9	529.9	635.1
20	.176	1041.4	774.4	1004.5
25	.146	1310.3	1052.3	1740.5
30	.125	1612.0	1345.2	2599.2
40	.097	2000.7	1821.7	4362.6
50	.079	2400.1	2142.1	5803.6
60	.067	2601.4	2334.4	6767.4

EXTRAPOLATED PRESSURE: INDETERMINATE

RECORDER NO. 13833 DEPTH 11472 FT.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 55 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)	P SQR X .001
0		224.9	0.0	
1	1.748	231.3	6.3	53.5
2	1.455	239.7	14.7	57.4
3	1.286	248.1	23.1	61.5
4	1.169	256.7	35.7	68.0
5	1.079	269.1	44.1	72.4
6	1.007	281.7	50.7	79.4
7	.947	298.5	73.6	89.1
8	.896	309.0	84.1	95.5
9	.852	323.7	98.8	104.8
10	.813	336.3	111.3	113.1
15	.669	405.5	180.6	164.5
20	.574	489.4	264.4	239.5
25	.505	579.4	354.5	335.7
30	.452	671.5	446.5	450.9
40	.376	832.4	607.5	693.0
50	.322	1010.0	785.1	1020.2
60	.283	1181.3	956.4	1395.6
70	.252	1361.1	1136.1	1852.0
80	.227	1541.0	1316.1	2374.7
90	.207	1700.2	1475.3	2890.7
100	.190	1868.0	1643.1	3489.5
110	.176	2023.5	1798.5	4094.5
120	.164	2158.1	1933.2	4657.6
130	.153	2263.5	2030.5	5123.4
138	.146	2347.9	2122.9	5512.4

EXTRAPOLATED PRESSURE: INDETERMINATE

PH. 366-0811

PERMIAN TESTERS, INC.

P. O. BOX 6441

ODESSA, TEXAS 79762

BOTTOM HOLE SAMPLER REPORTDate December 13, 1987 Ticket No. 6540Company Amerind Oil CompanyWell Name & No. M.T.S. State #1 DST No. 2County Lea State New MexicoSampler No. _____ Test Interval 11,485 - 11,632Pressure In Sampler 50 PSI BHT 164 °FTotal Volume of Sampler: 1800 cc.Oil: 0 cc.Water: 0 cc.Mud: 1300 cc.Gas: .12 cu. ft.

Other: _____

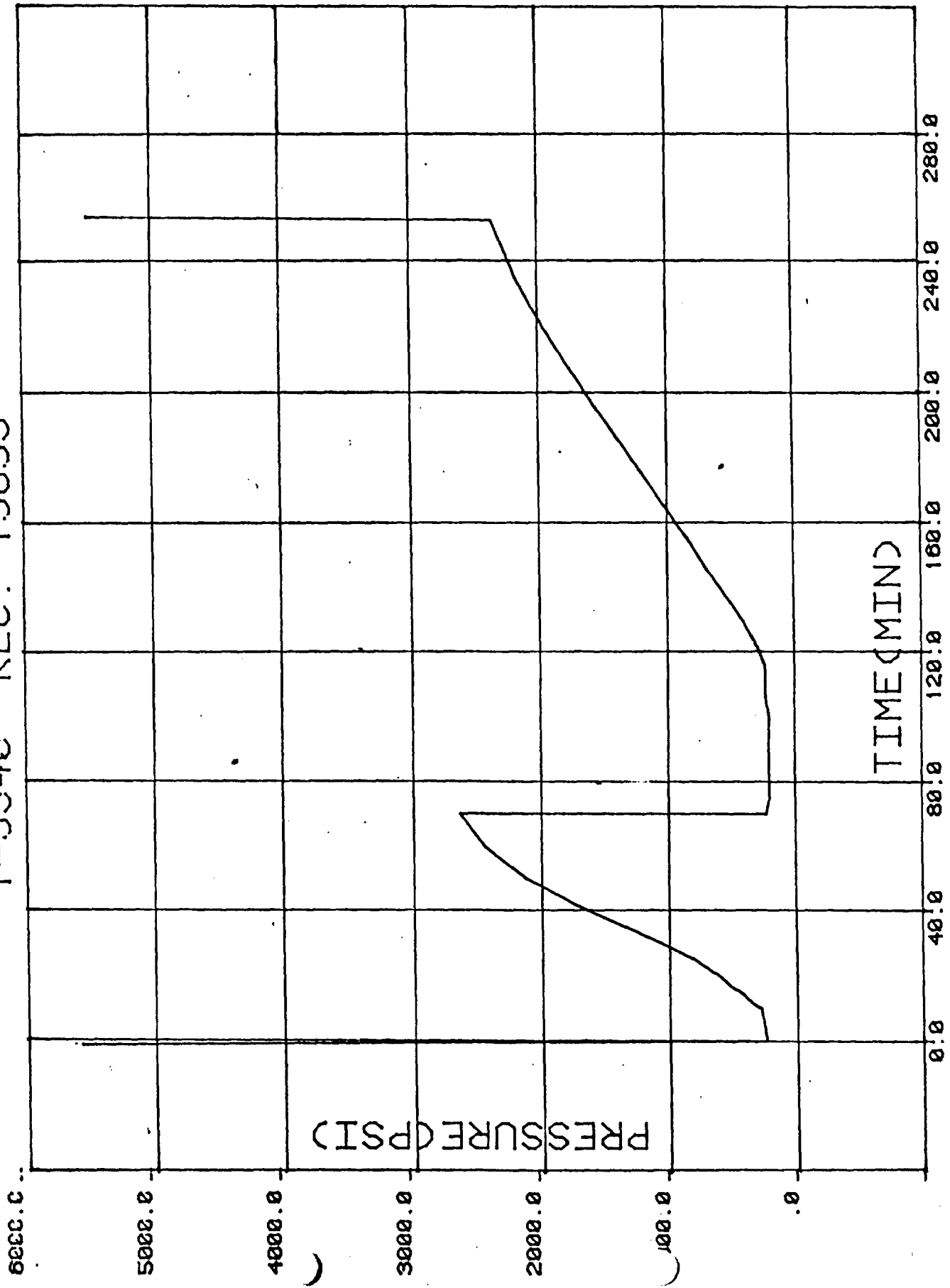
ResistivityDrilling Fluid In Pits 2.2 @ 60 °F Chloride Content 3,000 ppm.Fluid from Sampler 2.2 @ 60 °F Chloride Content 3,000 ppm.

Gas/Oil Ratio _____ Gravity _____ -API @ _____ °F

Where was sample drained Rig

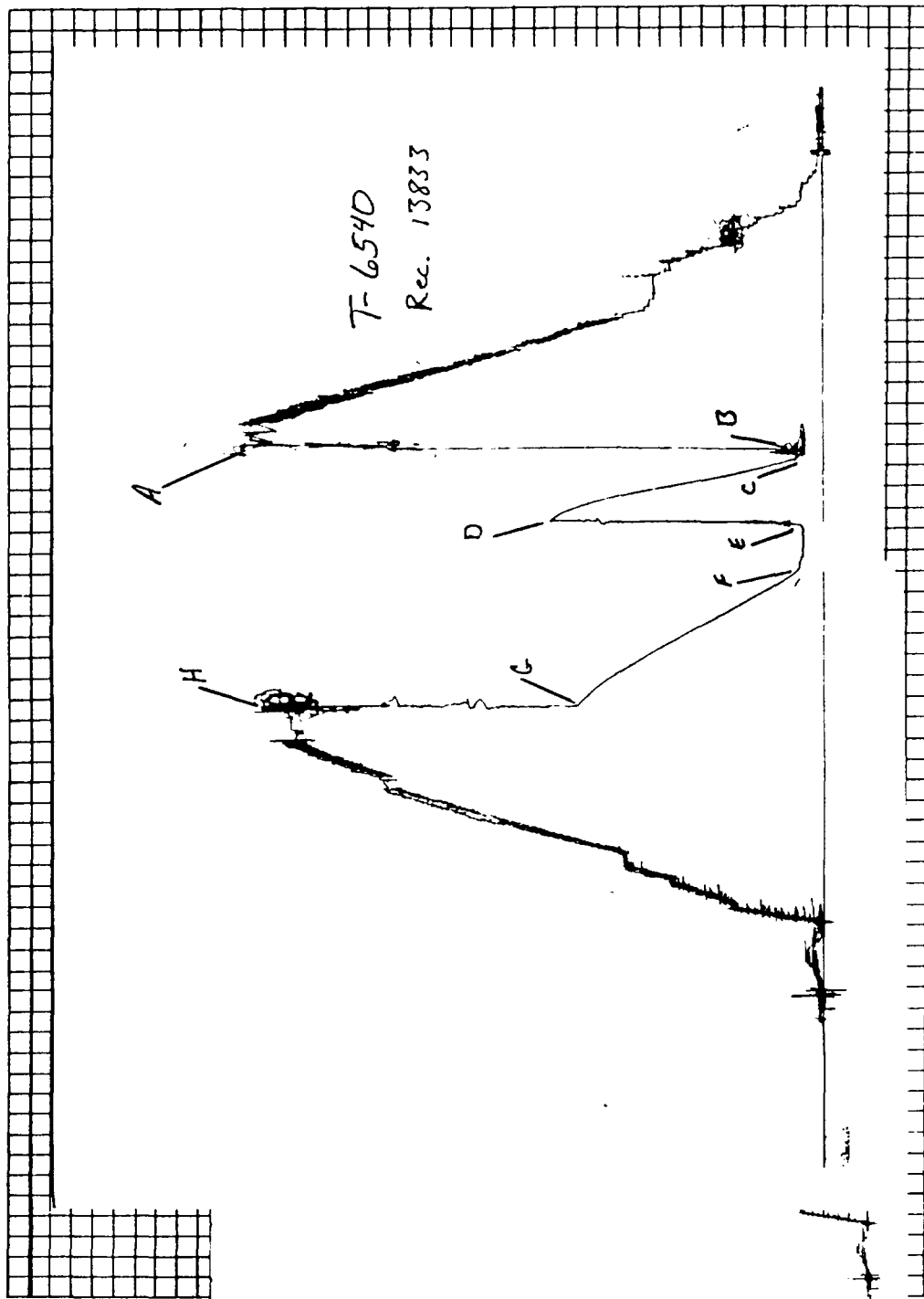
Remarks: _____

T-6540 REC. 13833



← TIME →

← PRESSURE →



WELL NAME AND NUMBER MTS State #1 7004

LOCATION Unit I Sec 2, T17S R37E Lea County, New Mexico (1830' FSL & 660' FEL)
(New Mexico give U.S.T. & R. - Texas give S, BLK, SURV. and TWP)

OPERATOR Amerind Oil Company

DRILLING CONTRACTOR MORANCO Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

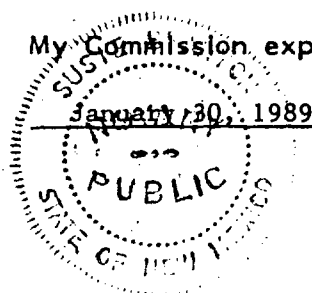
Degrees and Depth	Degrees and Depth	Degrees and Depth	Degrees and Depth
<u>1/2</u> <u>182</u>	<u>1</u> <u>5026</u>	<u>2 1/4</u> <u>10751</u>	
<u>1/4</u> <u>403</u>	<u>3/4</u> <u>5502</u>	<u>1 3/4</u> <u>11215</u>	
<u>1/4</u> <u>850</u>	<u>1</u> <u>6006</u>	<u>3</u> <u>11632</u>	
<u>1/2</u> <u>1361</u>	<u>1</u> <u>6511</u>		
<u>1/2</u> <u>1714</u>	<u>1 1/2</u> <u>7138</u>		
<u>1/2</u> <u>2155</u>	<u>1 3/4</u> <u>7648</u>		
<u>1/2</u> <u>2494</u>	<u>1</u> <u>8126</u>		
<u>3/4</u> <u>2839</u>	<u>3/4</u> <u>8694</u>		
<u>1 1/2</u> <u>3211</u>	<u>3/4</u> <u>8948</u>		
<u>1</u> <u>3701</u>	<u>2 1/2</u> <u>9360</u>		
<u>1</u> <u>4206</u>	<u>1 3/4</u> <u>9867</u>		
<u>1</u> <u>4500</u>	<u>1 1/2</u> <u>10245</u>		

Drilling Contractor MORANCO Drilling, Inc.

By Wiley Gilmore
Wiley Gilmore - Marketing Manager

Subscribed and sworn to before me this 21st day of December 19 87

My Commission expires:



Susie Branyon
Notary Public Susie Branyon
Lea County, New Mexico

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED	
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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
V-654

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Amerind Oil Co.	8. Farm or Lease Name State MTS
3. Address of Operator 500 Wilco Bldg., Midland, TX 79701	9. Well No. 1
4. Location of Well UNIT LETTER <u>I</u> <u>1830</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>2</u> TOWNSHIP <u>17S</u> RANGE <u>37E</u> NMPM.	10. Field and Pool, or Wildcat Shipp Strawn
15. Elevation (Show whether DF, RT, GR, etc.) 3746' GL, 3762' KB	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Surface casing: November 18, 1987 - Ran 406' 12-3/4" 35# ST&C csg w/TX pattern guide shoe & 3 centralizers. Set @ 403'. Cir 35 sx. PD 4:15 P.M. MST 11/18/87. Rule 107 - Option 2: 1) 462 cu ft Southwestern El Toro cmt. 350 sx CLs "C" w/2% CaCl₂. 2) Approx temp of slurry when mixed 70°F. 3) Est min formation temp 80°F. 4) Est cmt strength @ time of test 1045 psi. 5) Time in place 13-3/4 hrs.

Intermediate casing: November 25, 1987 - Ran 8-5/8" csg as follows:

Guide shoe	1.00'
1 jt 8-5/8" 32# J-55	42.26'
Float collar	1.60'
46 jts 8-5/8" 32# J-55	1978.47'
56 jts 8-5/8" 24# J-55	2432.67'
1 jt 8-5/8" 32" J-55	28.00'
KB correction	16.00'
Total string	4500.00'

Set @ 4500'. Ran 3 centralizers @ 4480', 4415', 4331'. PD 12:30 P.M. MST 11/25/87. Circ 125 sx. Ran fluid caliper. Rule 107 - Option 2: 1) 3164 cu ft Southwestern El Toro cmt. Pump 1450 sx PSL, 6#/sk salt, 1/4#/sk celloseal & 200 sx CLs "C" neat. 2) Approx temp of slurry when mixed 70°F. 3) Est min formation temp 110°F. 4) Est cmt strength @ time of test 1900 psi 5) Time in place 15-3/4 hrs.

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

SIGNED Robert G. Leibrock TITLE Vice President DATE December 1, 1987
APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE DEC 3 1987
CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. V-654	
7. Unit Agreement Name	
8. Farm or Lease Name State MTS	
9. Well No. 1	
10. Field and Pool, or Wildcat Shipp Strawn	
12. County Lea	

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator Amerind Oil Co.
3. Address of Operator 500 Wilco Bldg., Midland, TX 79701	4. Location of Well UNIT LETTER <u>I</u> <u>1830</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>2</u> TOWNSHIP <u>17S</u> RANGE <u>37E</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 3746' GL, 3762' KB	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

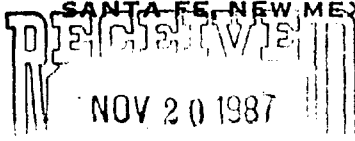
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Well was spud at 7:00 A.M. MST 11/18/87.

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

SIGNED <u>Robert C. Leibrock</u>	TITLE <u>Vice President</u>	DATE <u>November 19, 1987</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>DISTRICT 1 SUPERVISOR</u>	DATE <u>NOV 23 1987</u>
CONDITIONS OF APPROVAL, IF ANY:		

NO. OF COPIES RECEIVED	
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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	



3A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> REC <input type="checkbox"/>
5. State Oil & Gas Lease No.
V-654

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name MIS State MTA
2. Name of Operator Amerind Oil Co.		9. Well No. 1
3. Address of Operator 500 Wilco Building, Midland, Texas 79701		10. Field and Pool, or Wildcat Shipp Strawn
4. Location of Well UNIT LETTER I LOCATED 1830 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 2 TWP. 17S RCE. 37E NMPM		12. County Lea
19. Proposed Depth 11,800		19A. Formation Atoka
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 3746' GL	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Moranco Drilling Co.
22. Approx. Date Work will start Nov. 16, 1987		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2	12-3/4	35#	400'	350	surface
11	8-5/8	24# & 32#	4,500'	1,800	surface
7-7/8	5-1/2	17# & 20#	11,800'	350	10,800'

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Robert C. Leibrock Title Vice President Date November 12, 1987
(This space for State Use)APPROVED BY James S. [Signature] TITLE DISTRICT 1 SUPERVISOR DATE NOV 16 1987
CONDITIONS OF APPROVAL, IF ANYPermit Expires 6 Months From Approval
Date Unless Drilling Underway.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-112
Supersedes C-128
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

Operator AMERIND OIL COMPANY			Lease MTS STATE 7MTS		Well No. 1
Unit Letter I	Section 2	Township 17-S	Range 37-E	County LEA	
Actual Footage Location of Well: 1830' feet from the SOUTH line and 660' feet from the EAST line.					
Ground Level Elev. 3746'	Producing Formation Strawn		Pool Shipp Strawn		Dedicated Acreage: 80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Robert C. Leibrock

Name

Robert C. Leibrock

Position

Vice President

Company

Amerind Oil Co.

Date

November 12, 1987

I hereby certify that the well location shown on this 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.

Date Surveyed

GARY D.

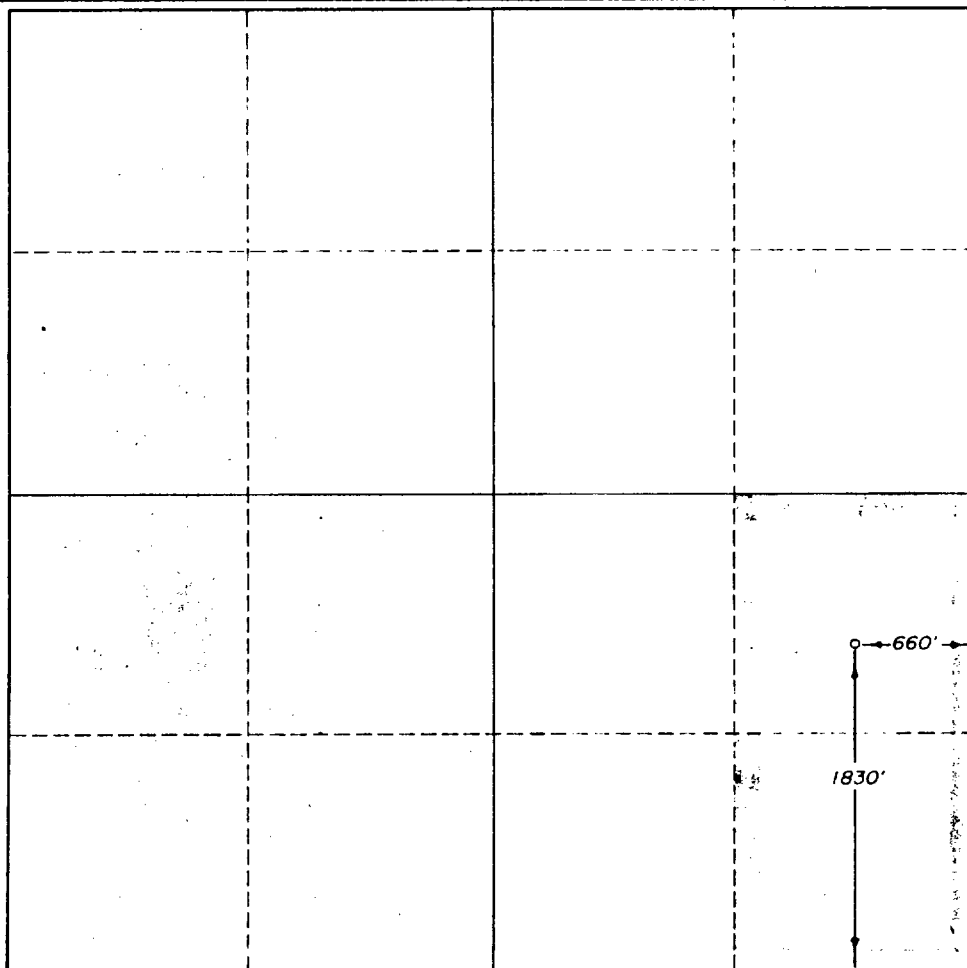
*** NOVEMBER 11, 1987 ***

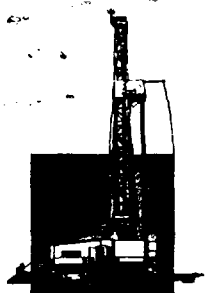
Registered Professional Engineer and/or Land Surveyor

NO. 6689

Certificate No.

6689





RIG 7 9,000' – 14,000'

**MORANCO
DRILLING, INC.**

P.O. Box 1860 • Hobbs, New Mexico 88240 • 505/397-3511 • 915/563-0562

DRAWWORKS

Brewster N-75
Drum: 1 1/4" Lebus grooved
Compound: 2-engine oil bath chain drive
Brake: Hydromatic Parkersburg 40"
Satellite Automatic Driller
Duo-O-Matic Crown Block Protector

ENGINES

Two 610-H.P. D379TA Caterpillar Diesel.

DERRICK

Lee C. Moore, 131', 550,000-lb. nominal capacity.

SUBSTRUCTURE

Lee C. Moore, 14 1/2' high, 550,000-lb. nominal capacity.

MUD PUMPS

Pump No. 1: Emsco DB700, 700-H.P. with steel fluid end.
4 3/4" – 7 3/4" liners, 16" stroke. Compound driven.
Pump No. 2: Emsco 500, 500-H.P. powered by D379
Caterpillar Diesel.

DRILL STRING

3,000' 4 1/2" Grade E, 20-lb.
Tool Joints: 4 1/2" XH, 6 1/4" OD.
11,000' 4 1/2" Grade E, 16.60-lb.
Tool Joints: 4 1/2" XH, 6 1/4" OD.
Thirty Drilco spiral-grooved 6 1/2" OD, 2 1/4" ID with 4 1/4" H-90
Joints.
Other sized drillpipe and drillcollars available.

BLOWOUT PREVENTERS

One Shaffer LWS hydraulic double 11" x 5,000 p.s.i. One
Hydril 11" x 5,000 p.s.i. Choke manifold 4" x 5,000 p.s.i.
flanged connections. Payne 4-valve accumulator closing
unit.

MUD SYSTEM

Three 30' x 7 1/2' x 6' steel pits with 700-bbl capacity and
one 250-bbl slug pit. Complete low pressure circulating
system, consisting of four submerged mud guns and two
countersunk jets in each pit. System utilizes a 6 x 8
centrifugal pump, powered by diesel.

MUD HOUSE

One 8' x 30' Steel Storage House.

COMMUNICATIONS

24-hour direct telephone interconnection through Hobbs
(505/393-1111) or Midland-Odessa (915/563-0562).

OTHER EQUIPMENT

BLOCKS. 350-ton.

HOOK. 350-ton.

SWIVEL. 350-ton.

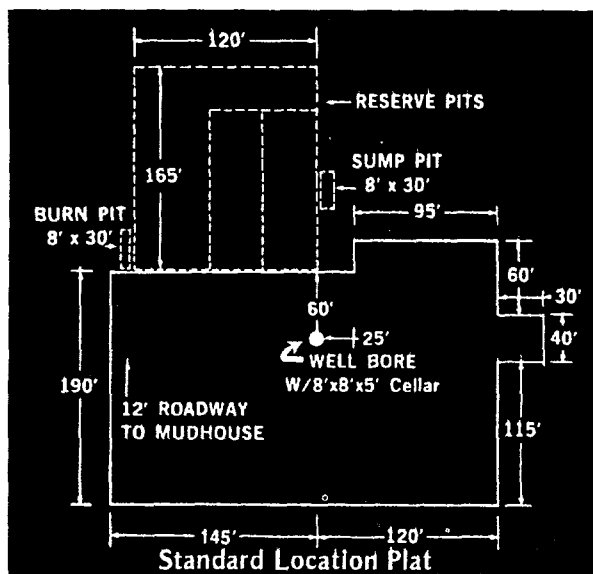
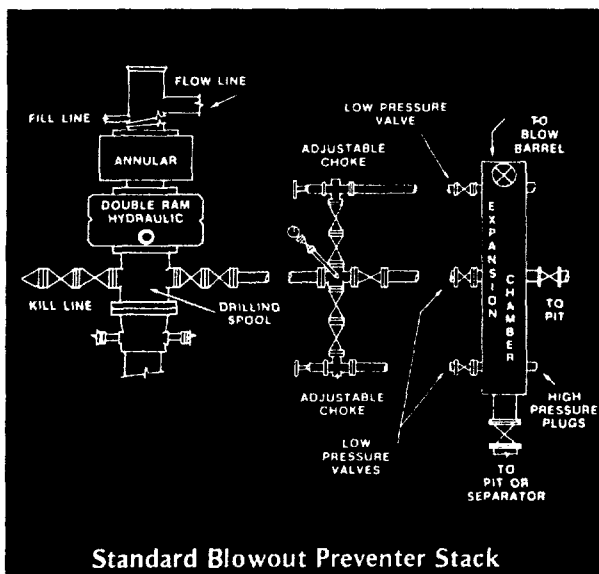
ROTARY TABLE. 20 1/2".

SHALE SHAKER. Harrisburg single screen.

ELECTRICAL POWER. Two 15-kw AC generators powered
by diesel engines. AC fluorescent or mercury lights. All
vapor-proof.

FRESH WATER STORAGE. Three 500-bbl horizontal tanks.

HOUSING. One 12' x 65' air-conditioned trailer house with
sleeping and cooking facilities.



WRS COMPLETION REPORT

COMPLETIONS SEC 2 TWP 17S RGE 37E
PI# 30-T-0017 01/25/88 30-025-30148-0000 PAGE 1

NMEX LEA * 1830FSL 660FEL SEC NE SE
STATE COUNTY FOOTAGE SPOT

AMERIND OIL D D
OPERATOR WELL CLASS INIT FIN

1 STATE "MTS"
WELL NO. LEASE NAME

3762KB 3746GR SHIPP
OPER ELEV FIELD POOL/AREA

API 30-025-30148-0000
LEASE TYPE NO. PERMIT OR WELL I.D. NO.

11/16/1987 12/18/1987 ROTARY D&A
SPUD DATE COMP. DATE TYPE TOOL STATUS

11800 STRAWN MORANCO 7 RIG SUB 15
PROJ. DEPTH PROJ. FORM CONTRACTOR

DTD 11835 FM/TD STRAWN
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

4 MI N HUMBLE CITY, NM

CASING/LINER DATA

CSG 12 3/4 @ 403
CSG 8 5/8 @ 4500

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS DIPM SONL

DRILLING PROGRESS DETAILS

AMERIND OIL
500 WILCO BLDG
MIDLAND, TX 79701
915-682-8717
11/16 LOC/1987/
11/16 MIRT
11/30 DRLG 7083
12/07 DRLG 10085
12/14 DRLG 11666
12/21 11835 TD, HOLDING FOR DATA
TD REACHED 12/15/87 RIG REL 12/18/87
01/18 11835 TD
COMP 12/18/87, D&A
NO CORES OR DSTS RPTD

IC# 300257038987

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PI-WRS-GET
Form No 187