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TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Superseding Old C-104 and C-110
Effective 1-1-65

I.

Operator Armer Oil Company	
Address 2110 Continental National Bank Bldg., Fort Worth, Texas 76102	
Reason(s) for filing (Check proper box)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Other (Please explain)	

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Fluor	Well No. 4	Pool Name, Including Formation Langlie-Mattix Seven Rivers	Kind of Lease State, Federal or Fee Fee	Lease No. --
Location				
Unit Letter N ; 990 Feet From The South Line and 1650 Feet From The West				
Line of Section 35 Township 22S Range 37E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1510, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1589, Tulsa, Oklahoma 74102					
If well produces oil or liquids, give location of tanks.	Unit M	Sec. 35	Twp. 22S	Rge. 37E	Is gas actually connected? Yes	When 4/9/74

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well <input checked="" type="checkbox"/>	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded 2/21/74	Date Compl. Ready to Prod. 3/29/74 (Ready to pump)		Total Depth 3675' RKB		P.B.T.D. --			
Elevations (DF, RKB, RT, GR, etc.) 3308' GR 3318' RKB	Name of Producing Formation Penrose Sand		Top Oil/Gas Pay 3571' RKB		Tubing Depth 3621' RKB			
Perforations 3652-60' RKB and open hole 3669-75' RKB					Depth Casing Shoe 3669' RKB			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12-1/4"	8-5/8" OD, 20#		390' RKB		250 sxs.			
7-7/8"	5-1/2" OD 14#		3669' RKB		350 sxs.			
5"	2-3/8" OD		3621' RKB		None			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 3/24/74 flow thru csg.	Date of Test 4/8/74	Producing Method (Flow, pump, gas lift, etc.) On pump 4/3/74 w/2" x 1-1/2" x 12' insert pump	
Length of Test 24 hrs.	Tubing Pressure 20 psi	Casing Pressure 20 psi	Choke Size 2"
Actual Prod. During Test 108 BF	Oil-Bbls. 58	Water-Bbls. 50	Gas-MCF 150 (est.)

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.



Production Manager

(Signature)

(Title)

4/30/74

(Date)

OIL CONSERVATION COMMISSION

APPROVED

BY

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

INCLINATION RECORD

OPERATOR Armer Oil Co., Inc. ADDRESS 2110 Co. 'nental Nat'l Bank Bldg.
Fort Worth, Texas 76102

LEASE Fluor WELL NO. 4 FIELD _____

LOCATION SE of SW/4, Sec. 35, T-22S, R-37E, Lea County, New Mexico

Depth	Angle Inclination (degrees)	Displacement	Displacement Accumulated
390	1/4	1.7160	1.7160
858	1/4	2.0592	3.7752
1295	1/2	3.8019	7.5771
1766	3/4	6.1701	13.7472
2236	1	8.2250	21.9722
2734	1	10.8564	32.8286
3215	1	10.4858	43.3144
3629	3/4	5.4234	48.7378

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

Captus Drilling Company

Ken Hedrick
Title: Ken Hedrick, Drlg. Supt.

Affidavit:

Before me, the undersigned authority, appeared Ken Hedrick known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Ken Hedrick
(Affiant's Signature)

Sworn and subscribed to in my presence on this the 2nd day of May
19 74.

Jerry L. Mynick
Notary Public in and for the County
of Lea, State of New Mexico

Seal

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

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

7. Unit Agreement Name	
8. Farm or Lease Name	
9. Well No.	
10. Field and Pool, or Wildcat	

11. Field and Pool, or Wildcat	
--------------------------------	--

12. County	
------------	--

13. Elevation (Show whether DF, RT, GR, etc.)	
---	--

14. Elevation (Show whether DF, RT, GR, etc.)	
---	--

15. Elevation (Show whether DF, RT, GR, etc.)	
---	--

16. Elevation (Show whether DF, RT, GR, etc.)	
---	--

17. Elevation (Show whether DF, RT, GR, etc.)	
---	--

18. Elevation (Show whether DF, RT, GR, etc.)	
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19. Elevation (Show whether DF, RT, GR, etc.)	
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20. Elevation (Show whether DF, RT, GR, etc.)	
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21. Elevation (Show whether DF, RT, GR, etc.)	
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22. Elevation (Show whether DF, RT, GR, etc.)	
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23. Elevation (Show whether DF, RT, GR, etc.)	
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24. Elevation (Show whether DF, RT, GR, etc.)	
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25. Elevation (Show whether DF, RT, GR, etc.)	
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26. Elevation (Show whether DF, RT, GR, etc.)	
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27. Elevation (Show whether DF, RT, GR, etc.)	
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28. Elevation (Show whether DF, RT, GR, etc.)	
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29. Elevation (Show whether DF, RT, GR, etc.)	
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30. Elevation (Show whether DF, RT, GR, etc.)	
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31. Elevation (Show whether DF, RT, GR, etc.)	
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32. Elevation (Show whether DF, RT, GR, etc.)	
---	--

33. Elevation (Show whether DF, RT, GR, etc.)	
---	--

34. Elevation (Show whether DF, RT, GR, etc.)	
---	--

35. Elevation (Show whether DF, RT, GR, etc.)	
---	--

36. Elevation (Show whether DF, RT, GR, etc.)	
---	--

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	Armer Oil Company
---------------------	-------------------

3. Address of Operator	2110 Continental National Bank Bldg., Fort Worth, Texas 76102
------------------------	---

4. Location of Well	UNIT LETTER <u>N</u> , <u>990</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM
---------------------	---

4. Location of Well	THE <u>West</u> LINE, SECTION <u>35</u> TOWNSHIP <u>22S</u> RANGE <u>37E</u> NMPM.
---------------------	--

5. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
--	--------------------

6. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
--	--------------------

7. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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8. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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9. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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10. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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11. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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12. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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13. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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14. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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15. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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16. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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17. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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18. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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19. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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20. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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21. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
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22. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
---	--------------------

23. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
---	--------------------

24. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
---	--------------------

25. Elevation (Show whether DF, RT, GR, etc.)	3308' GR 3318' RKB
---	--------------------

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK	<input type="checkbox"/>
TEMPORARILY ABANDON	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>

PLUG AND ABANDON	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>
OTHER	<input type="checkbox"/>

REMEDIAL WORK	<input type="checkbox"/>
COMMENCE DRILLING OPNS.	<input checked="" type="checkbox"/>
CASING TEST AND CEMENT JOB	<input checked="" type="checkbox"/>
OTHER	<input type="checkbox"/>

ALTERING CASING	<input type="checkbox"/>
PLUG AND ABANDONMENT	<input type="checkbox"/>
Completion	<input checked="" 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.

New Mexico OCC Form C-101, Application for Permit to Drill, was approved for this well on February 11, 1974.

The well was spudded on 2/21/74 with Cactus Drilling rotary tools. Twelve and one-quarter inch surface hole was drilled to 390' RKB and 8-5/8" OD, 20# new surface casing was set at 390' RKB and cemented w/250 sxs. Class C cement w/2% CaCl. Cement circulated w/job complete @ 9:00 p.m. 2/21/74. Drilled out from under surface casing with 7-7/8" bit @ 11:15 a.m. 2/22/74 after pressure testing casing to 1000 psi.

Well was drilled to a total depth of 3666' RKB on 2/27/74 @ which depth a Welex GR-Compensated Sidewall Neutron log was run. After logging, well was deepened to 3675' RKB which was completed @ 1:00 a.m. 2/28/74. 5-1/2" OD, 14#, used casing was set @ 3669' RKB and cemented w/150 sxs. Class C cement w/4% gel and 200 sxs. Class H w/10# sand, 5# salt, and 1% CFR-2 per sx. Cementing production casing was completed @ 10:15 a.m. 2/28/74. Casing pressured to 1000 psi when plug bumped shoe.

(Con't on reverse side)

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

SIGNED [Signature]

TITLE Production Manager

DATE 4/30/74

APPROVED BY [Signature]
[Signature]
[Signature]

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

On 3/21/74, 5-1/2" OD casing was perforated 3652-60' RKB w/9 0.37" holes, and these perfs. along w/open hole interval from 3669-75' RKB were acidized w/1500 gals. 15% acid and fracture treated w/36,000 gals. gelled 2% KCl wtr. and 40,000# sand.

Well completed (ready to pump) 3/29/74 and was placed on pump on 4/3/74. Well flowed thru casing 3/23/74 to 3/26/74 before running tubing and rods on 3/29/74.

On 4/8/74, well produced 58 BO and 50 BW with an estimated GOR of 2586:1 during a 24-hr. test period.

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65 *2-02-69*

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work				7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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 Fluor	
2. Name of Operator Armer Oil Company				9. Well No. 4	
3. Address of Operator 2110 Continental National Bank Bldg., Ft. Worth, Texas 76102				10. Field and Pool, or Wildcat Langlie-Mattix SR	
4. Location of Well UNIT LETTER N LOCATED 990' FEET FROM THE South LINE AND 1650' FEET FROM THE West LINE OF SEC. 35 TWP. 22S RGE. 37E NMPM				12. County Lea	
21. Elevations (Show whether DF, RT, etc.) 3307.8 GL				19. Proposed Depth 3660'	
21A. Kind & Status Plug. Bond Blanket #919A5228				19A. Formation Penrose Sand	
21B. Drilling Contractor Cactus Drilling Co.				20. Rotary or C.T. Rotary	
22. Approx. Date Work will start 2/9/74					

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12"	9-5/8" OD	32.3 or 36#	400'	150	Circulate
8-3/4"	5-1/2" OD	14#	3640'	350	2500'

Armer Oil Company proposes to drill its Fluor #4 well to test the Penrose Sand, the top of which is expected at an approximate depth of 3560'.

Casing program will consist of 9-5/8" OD surface casing to be set at an approximate depth of 400' cemented to the surface and 5-1/2" OD production casing to be set at total depth and cement from total depth back to base of salt at approximately 2500'.

If water flow in Yates-Seven Rivers is encountered, open hole packers will be run in 5-1/2" OD production casing string to isolate this water flow for squeezing with cement.

The Penrose Sand will be perforated and fracture treated for production.

EXPIRES **5-11-74**

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 *[Signature]* Title Production Manager Date 2/5/74

(This space for State Use)

APPROVED BY *[Signature]* TITLE SUPERVISOR DISTRICT I DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-100
Supersedes O-128
Effective 10-65

All distances must be from the outer boundaries of the Section

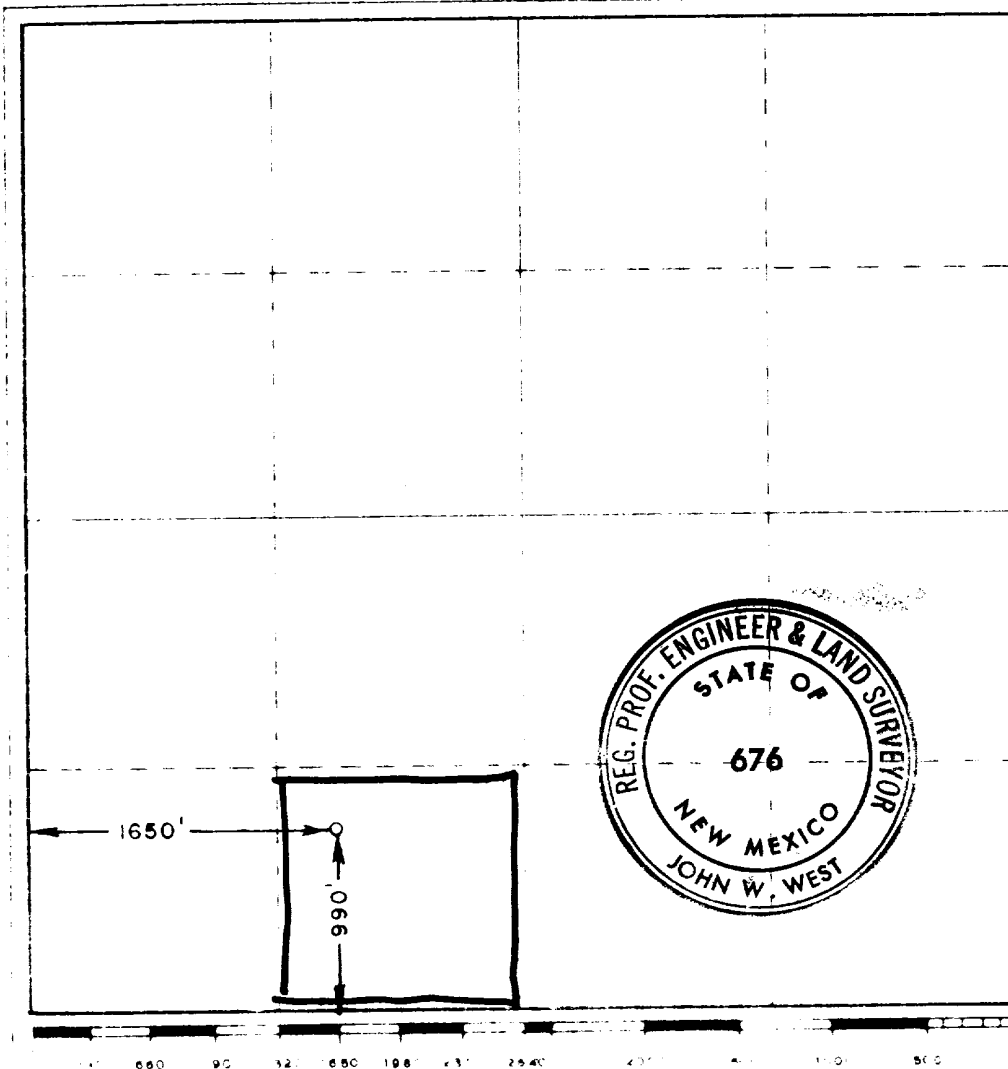
Operator ARMER OIL COMPANY		Lease FLUOR		Well No. 4
Unit Letter N	Section 35	Township 22 South	Range 37 East	County Lea
Actual Footage Location of Well: 990 feet from the South line and 1650 feet from the West line				
Ground Level Elev. 3307.8	Producing Formation Penrose	Pool Langlie Mattix	Dedicated Acreage: 40	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

By Chandlor Haygood
Agent
Armer Oil Co
2-7-74

I hereby certify that the well location shown on this plat was plotted from 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 of Review

February 5, 1974

Registered Professional Engineer
and Land Surveyor

John W. West
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