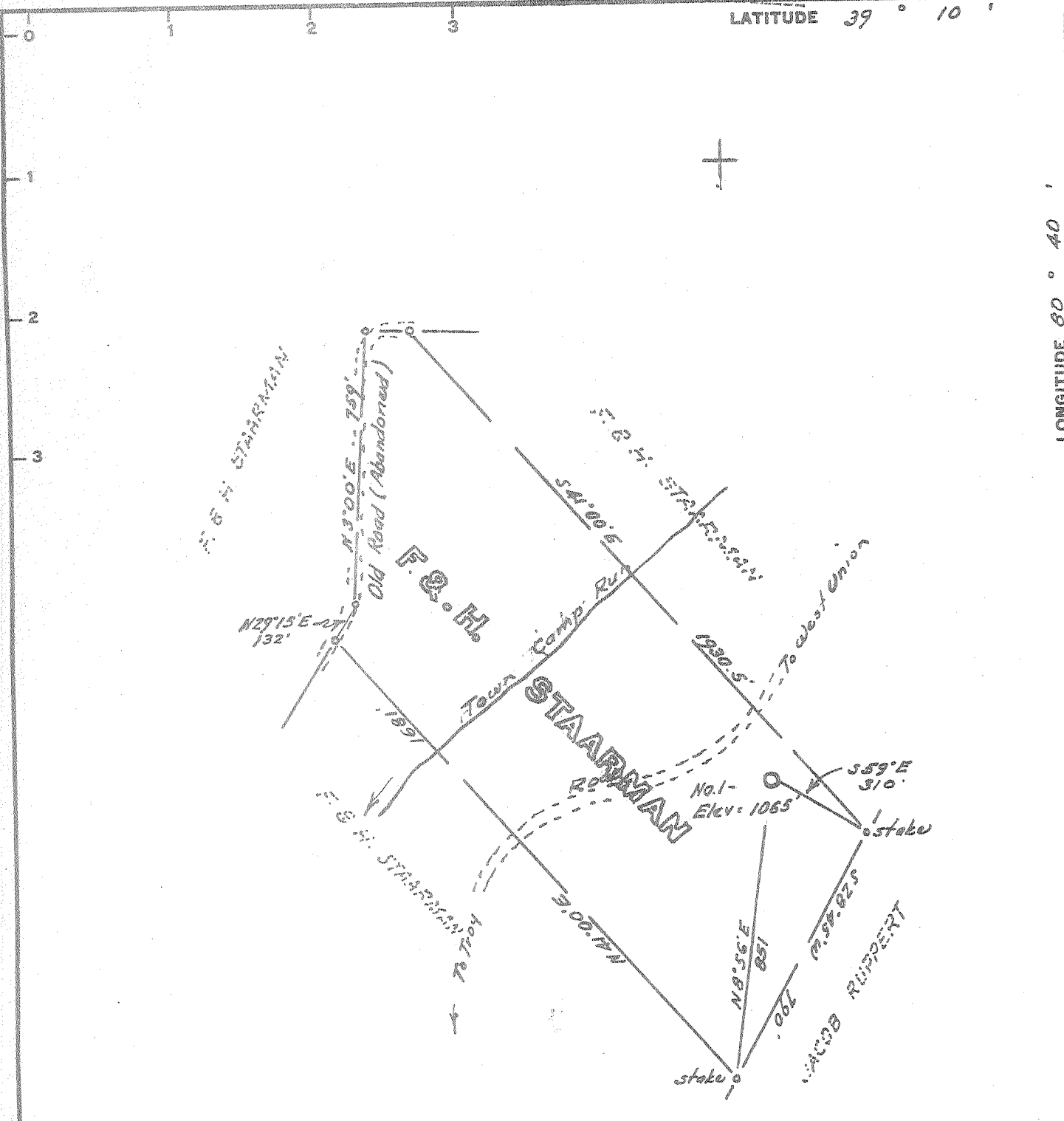




LATITUDE 39 ° 10 '

LONGITUDE 80 ° 40 '



Minimum Error of Closure 1 in 200'

Source of Elevation Well No 1-C (Triangle) : 889

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: Willard J. [Signature]  
 Squares: N S E W

Map No. issued 1/12/73

Company Stackable & Boone STATEWIDE OIL & GAS CO.  
 Address 730 Michigan National Tower, Lansing, Mich., 48933  
 Farm F. & H. Stearman / 1  
 Tract \_\_\_\_\_ Acres 25 Lease No. \_\_\_\_\_  
 Well (Farm) No. One "B" Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1065 OK - 7.5 top - 100  
 Quadrangle Vadis WC  
 County Doddridge District Cove  
 Engineer Willard J. [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Aug. 8, 1967 Scale 1" = 400'

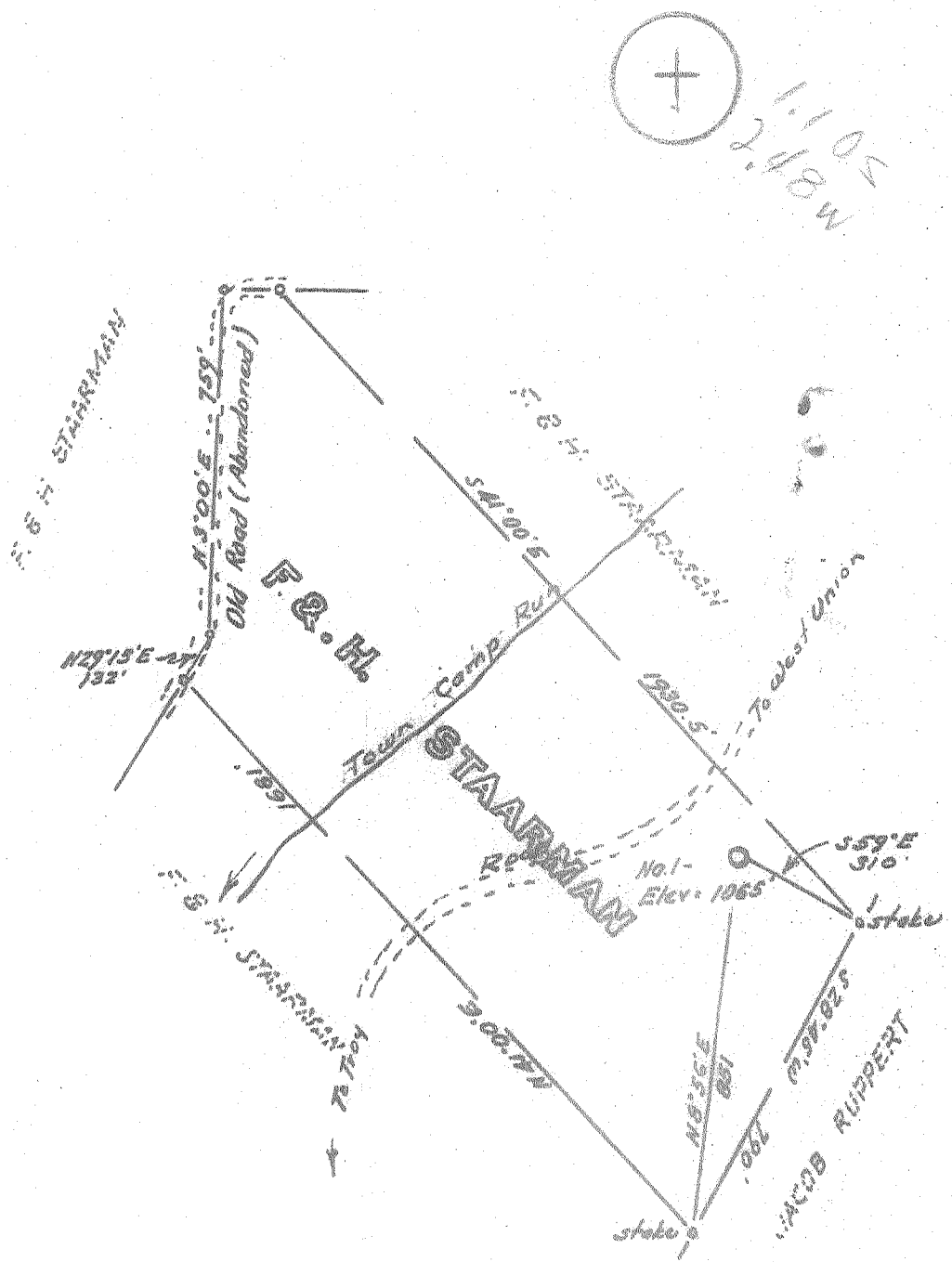
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. DOD-1472-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

LATITUDE 39 ° 10 '

LONGITUDE 80 ° 40 '



Minimum Error of Closure 1 in 200

Source of Elevation Well No 1-C (Triangle) : 889

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: [Signature]  
Squares: N S E W

Map No. \_\_\_\_\_

Company STATEWIDE OIL & GAS CO.

Address 224 S. Greenwood St. Marion, Ohio

Farm F. S. H. Stearman 1-B

Tract \_\_\_\_\_ Acres 25 Lease No. \_\_\_\_\_

Well (Farm) No. One Serial No. \_\_\_\_\_

Elevation (Spirit Level) 1065

Quadrangle Yadis

County Doddridge District Cove

Engineer [Signature]

Engineer's Registration No. 1227

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date Aug. 8, 1947 Scale 1" = 400'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

**WELL LOCATION MAP**

FILE NO. DOR-1472

† Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.



Date September 22, 1987  
 Operator's Well No. 1-B  
 Farm Staarman  
 API No. 47-017-1472 F

WR-35

**RECEIVED**  
 APR 08 1988

State of West Virginia  
 DEPARTMENT OF ENERGY  
 Oil and Gas Division

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT  
 OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil x/ Gas x/ Liquid Injection   / Waste Disposal   /  
 (If "Gas," Production   / Underground Storage   / Deep   / Shallow   /)

LOCATION: Elevation: 1138 Watershed Town Camp Run  
 District: Cove County Doddrige Quadrangle New Milton 7.5

COMPANY Ancient Oil Company, Inc. ( Don Hall Leasing Bond)

ADDRESS P.O. Box 4093, Parkersburg, W. Va.

DESIGNATED AGENT Stephen J. Jordan

ADDRESS P.O. Box 4093, Parkersburg, W. Va.

SURFACE OWNER Henry Staarman

ADDRESS New Milton, W. Va.

MINERAL RIGHTS OWNER Henry Staarman

ADDRESS New Milton, W. Va.

OIL AND GAS INSPECTOR FOR THIS WORK Harold

Mike Underwood ADDRESS Salem, W. Va. 26426

PERMIT ISSUED 12-23-1986

DRILLING COMMENCED 11-2-1967 | 1/6/87

DRILLING COMPLETED 1-20-1968 | 1/6/87

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
 CONTINUOUS PROGRESSION FROM DRILLING OR  
 REWORKING. VERBAL PERMISSION OBTAINED  
 ON   

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20x16 Cond.	16'	16'	
18-10"	211	211	
9 5/8			
8 1/4	1208	0	
6 5/8	1609	0	
5 3/16	1940	1940	
4 1/2			
3			
2 7/8		2298	
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun Depth 2304 to 2316 feet

Depth of completed well 2365 feet Rotary   / Cable Tools x

Water strata depth: Fresh 80 feet; Salt None feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2304 to 2316 feet

Gas: Initial open flow Show Mcf/d Oil: Initial open flow Show Bbl/d

Final open flow Show Mcf/d Final open flow Show Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 230 psig (surface measurement) after 24 hours shut in  
 (If applicable due to multiple completion--)

Second producing formation    Pay zone depth    feet

Gas: Initial open flow    Mcf/d Oil: Initial open flow    Bbl/d

Final open flow    Mcf/d Oil: Final open flow    Bbl/d

Time of open flow between initial and final tests    hours

Static rock pressure    psig (surface measurement) after    hours shut in

APR 25 1988  
 (Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

RE Fractured by Haliburton January 6, 1987 Sand and Water 2304 to 2316  
 Set Packer at 2274 - Casing

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 APR 08 1988

WELL LOG

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
No Record			0	1948	Bottom of 5 3/16
Shale			1948	1962	
Maxon Sand			1962	1978	
Shale			1978	2124	
Sand & Lime			2124	2174	
Big Lime			2174	2220	
Big Injun Sand			2220	2322	
Shale			2322	2365	
Total Depth			2365		

(Attach separate sheets as necessary)

Ancient Oil Company, Inc.  
 Well Operator  
 By: [Signature]  
 Date: 9/22/87

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."  
 264

4-3



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage   
Oil or Gas Well  **OIL**  
 **BOTH**  
(KIND)

County VAWIS  
Permit No. DOD 1472

WELL RECORD

Company	<u>STATEWIDE OIL &amp; GAS CO.</u>	Casing and Tubing		Used in Drilling		Left in Well		Packers
Address	<u>1307 COLLEGE RD, MASON, MICH.</u>	Size						
Farm	<u>STARBUCK BROTHERS</u> Acres <u>25</u>	16		<u>16'</u>		<u>16'</u>		Kind of Packer
Location (waters)		13						
Well No.	<u>1-B</u>	Elev. <u>1085</u>						Size of
District	<u>COVF</u>	County	<u>DOODRIDGE</u>		<u>211</u>	<u>211</u>		Depth set
The surface of tract is owned in fee by	<u>F &amp; H STARBUCK</u>	8 1/4		<u>1208</u>		<u>0</u>		Perf. top
Mineral rights are owned by	<u>SAME AS ABOVE</u>	6%		<u>1609</u>		<u>0</u>		Perf. bottom
Drilling commenced	<u>11-2-67</u>	5 3/16		<u>1940</u>		<u>1940</u>		Perf. top
Drilling completed	<u>1-20-68</u>	4 1/2						Perf. bottom
Date Shot		3						Perf. top
With		2						Perf. bottom

Attach copy of cementing record.

CASING CEMENTED          SIZE          No. Ft.          Date         

Amount of cement used (bags) NOT CEMENTED

Name of Service Co.         

COAL WAS ENCOUNTERED AT          FEET          INCHES         

         FEET          INCHES NO FEET          INCHES

         FEET          INCHES          FEET          INCHES

WELL ACIDIZED (DETAILS)         

WELL FRACTURED (DETAILS) NOT FRACTURED

RESULT AFTER TREATMENT (Initial open flow or bbls.) 2 BOPD + 20 HCFS NATURAL 20 INCH 20,000

1 1/2 BBL / DAY

ROCK PRESSURE AFTER TREATMENT          HOURS         

Fresh Water 85' Feet          Salt Water          Feet         

Producing Sand Big Tojun Depth         

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>SHALE</u>			<u>0</u>	<u>1965'</u>	<u>WATER</u>	<u>1170'</u>	<u>5 BAILERS</u>
<u>MASON</u>			<u>1965</u>	<u>2000</u>			
<u>LINE</u>			<u>2125</u>	<u>2151</u>			
<u>MONDAY</u>			<u>2154</u>	<u>2174</u>	<u>oil &amp; gas</u>		<u>SHOW</u>
<u>LINE</u>			<u>2182</u>	<u>2279</u>			
<u>WILSON</u>			<u>2179</u>	<u>2332</u>	<u>oil &amp; gas</u>		<u>20mcft</u> <u>1 1/2 BBL / DAY</u>
				<u>T.D. 2375</u>			

RECEIVED  
FEB 26 1970  
OIL & GAS DIVISION  
DEPT. OF MINES

(over)

MAR 23 1970

**RECEIVED**  
DEC 23 1986



1) Date: December 22, 19 86  
 2) Operator's Well No. One (1)  
 3) API Well No. 47 ~~X 085 X~~ 017 - 1472 F  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
 DEPARTMENT OF ENERGY APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow )  
 5) LOCATION: Elevation: 1112 1065 Watershed: Town Camp Run  
 District: Cove 353 2 County: Doddridge 017 Quadrangle: New Milton 7.5 510  
 6) WELL OPERATOR Don Hall Leasing CODE: 20575 7) DESIGNATED AGENT, Stephen J. Jordan  
 Address 3rd & Highland Address P. O. Box 4093  
Williamstown, W. Va. Parkersburg, W. Va. 26101 DON HALL A.S.A.  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Harold Mike Underwood Name B & J Titian  
 Address Route 2 Box 114 Address P. O. Box 200416  
Salem, W. Va. 26426 Houston, Texas 77216  
 10) PROPOSED WELL WORK: Drill \_\_\_\_\_ / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate   
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_  
 11) GEOLOGICAL TARGET FORMATION, Big Injun 301  
 12) Estimated depth of completed well, 2400 feet  
 13) Approximate trata depths: Fresh, 80 feet; salt, None feet.  
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes \_\_\_\_\_ / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	Sizes
Conductor										
Fresh water	8 5/8					211	211	To surface		
Coal										
Intermediate										
Production Tubing	5 3/16						1940	250 sks. Cement	Depths set	
Liners									Perforations:	
									Top	Bottom
<u>Run Tubing &amp; Packer - Open hole frac thru tubing</u>										

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number \_\_\_\_\_ Date \_\_\_\_\_ 19 \_\_\_\_\_

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires \_\_\_\_\_ unless well work is commenced prior to that date and prosecuted with due diligence.

Bonds <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/> <u>W.H.</u>	Plat: <input checked="" type="checkbox"/> <u>AS</u>	Casing <input checked="" type="checkbox"/> <u>MU</u>	Fee <input checked="" type="checkbox"/> <u>1277</u>	WPCP <input checked="" type="checkbox"/> <u>MU MU</u>	S&E <input checked="" type="checkbox"/> <u>MU MU</u>	Other <input checked="" type="checkbox"/>
---	---	--	---	--	--	---	---

NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]  
 Director, Division of Oil and Gas

File