

ORIGINAL

15-135-19061-00-00

SIDE ONE

Not Assigned: Well was

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACD-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- Well was complete on 8/24/1963

County Ness

CSE SE/4 Sec. 30 Twp. 19S Rge. 21  East  West

660 Ft. North from Southeast Corner of Section

660 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Moore B Well # 1

Field Name Shaken

Producing Formation Font Scott/Mississippi

Elevation: Ground 2280 KB 2288

Total Depth 4495' PBTD 4469'

Operator: License # 5447

Name: OXY USA, Inc.

Address P.O. Box 26100

City/State/Zip Oklahoma City, OK 73126-0100

Purchaser: CITGO

Operator Contact Person: Raymond Hui

Phone ( 405 ) 749-2471

Contractor: Name: Peel Brothers Inc.

License: \_\_\_\_\_

Wellsite Geologist: Unknown

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OMWO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

8-9-63 8-24-63 8-24-63

Spud Date Date Reached TD Completion Date

RECEIVED

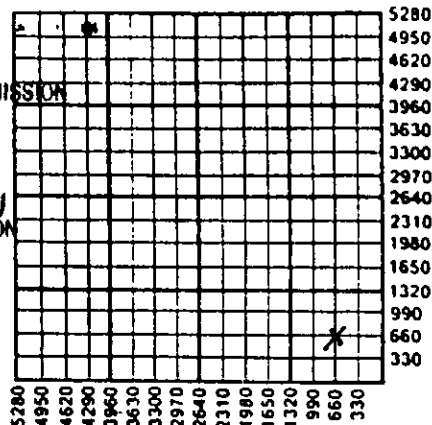
STATE CORPORATION COMMISSION

APR 18 1991

04-18-1991

CONSERVATION DIVISION

Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 491 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACD-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Vic Tumlinson

Title Operations Drilling Manager Date 4-11-91

Subscribed and sworn to before me this 11th day of April, 1991.

Notary Public Kay Ann Kilmer

Date Commission Expires 4-16-94

K.C.C. OFFICE USE ONLY

- F  Letter of Confidentiality Attached
- C  Wireline Log Received
- C  Drillers Timelog Received

Distribution

- KCC  SWD/Rep  NGPA
  - KGS  Plug  Other
- (Specify)

**SIDE TWO**

Operator Name OXY USA, Inc. Lease Name Moore B Well # 1  
 Sec. 30 Twp. 19S Rge. 21  East County Ness  
 West

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)  Schlumberger simultaneous laterolog - GR/Neutron and Caliper Integrated Sonic.	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <th style="width:60%;"></th> <th style="width:20%; text-align: center;"><input type="checkbox"/> Log</th> <th style="width:20%; text-align: center;"><input type="checkbox"/> Sample</th> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> </thead> <tbody> <tr><td>Heebner</td><td style="text-align: center;">3762</td><td style="text-align: center;">3809</td></tr> <tr><td>Lansing</td><td style="text-align: center;">3809</td><td style="text-align: center;">4132</td></tr> <tr><td>Base KC</td><td style="text-align: center;">4132</td><td style="text-align: center;">4310</td></tr> <tr><td>Font Scott</td><td style="text-align: center;">4310</td><td style="text-align: center;">4330</td></tr> <tr><td>Cherokee</td><td style="text-align: center;">4330</td><td style="text-align: center;">4401</td></tr> <tr><td>Osage</td><td style="text-align: center;">4401</td><td style="text-align: center;">4495</td></tr> <tr><td>TD</td><td></td><td style="text-align: center;">4495</td></tr> <tr><td>PBTD</td><td></td><td style="text-align: center;">4469</td></tr> </tbody> </table>	Formation Description				<input type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Heebner	3762	3809	Lansing	3809	4132	Base KC	4132	4310	Font Scott	4310	4330	Cherokee	4330	4401	Osage	4401	4495	TD		4495	PBTD		4469
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24#	491	CL.A	300	3% cc
Production	7 7/8"	5 1/2"	14#	4493	CL.A	225	2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used) Depth			
-	Font Scott 4316-4318			-	-		
-	Mississippi 4401-4416			-	-		
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer At			
2 7/8"		4416'					
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
8-24-1963							
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
5		-	-	50			

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled

Other (Specify) \_\_\_\_\_

Production Interval  
4316-4318  
4401-4416

# ORIGINAL WELL RECORD

15-135-19061-00-00

Company Cities Service Oil Company Well No. 1 Farm Moore "B"  
 Location 660' North and 660' West of SE Corner Sec. 30 T. 19 R. 21E  
 Elevation 2288 K.B., 2280 Gr. County Ness State Kansas  
 Initial Prod. Potential 122 oil, no water, 24 hours, Contractor Peel Bros., Inc.  
9-12-63.  
 Acid None Drlg. Comm. 8-9-63  
 T.D. 4494'. P.B.T.D. 4464½' Drlg. Comp. 8-24-63

**Casing Record:**

8-5/8" at 491' with 300 sacks cement.  
 5-1/2" at 4493' with 225 sacks cement.

**Formation Record:**

surface clay and shale	0-60
shale and shells	496
shale	525
sand	660
shale & shells	930
sand	1195
shale	1295
shale and red bed	1509
Anhydrite	1546
shale and shells	2255
shale and lime	2310
lime	2738
lime and shale	2800
shale and lime	2895
lime and shale	3120
shale and lime	3275
lime and shale	3505
lime, shale and chalk	3600
lime and shale	3767
lime	4185
lime and shale	4305
shale	4312
lime	4326
cored lime & shale(rec. 25')	4351
lime	4365
lime and shale	4396
lime and chert	4420
chert	4495

4495 Rotary T.D.=4494 GRN log

DST 4420-30/70' Rec 557' GIP  
 693' Free Gsy 0:1 451 M+ GCO  
 FP 170-0 FSIP 1200\*

DST 4430-40/65' Rec. 290' GIP 996' Free  
 Gsy 0:1 130' SWIF Wtl  
 FP 120-420 FSIP 1330\*

The following data corrected by GRN log K.B. measurement and elevation.

Topeka	3487
Heebner	3762 (-1474)
Toronto	3778
Lansing	3808 (-1521)
Base Kansas City	4182 (-1844)
Marmaton	4153
Pawnee	4228 (-1940)
Fort Scott	4310 (-2022)
Mississippi	4401 (-2113)
Pen.	93'
T.D	4494

P.B.T D 4464½'

Perforated 60 shots 4401-12:  
 380' oil in 1 hour.  
 675' oil in 2 hours.  
 1616' oil in 6 hours.

Slope Tests (Syfo):

500'	- 1°
1000'	- 2°
1500'	- 3°
2000'	- 4°
2500'	- 5°
3000'	- 7°
3500'	- 0°
4000'	- 2°

RECEIVED  
 STATE CORPORATION COMMISSION

APR 18 1991

CONSERVATION DIVISION  
 Wichita, Kansas

DST from Completion Card

DST 4315-25/70' Rec. 2302' GIP 178' MO  
 124' HOCM 1  
 FP 30-105 FSIP 190

~~DST 4306-51/100' Rec.~~  
 DST 4380-96/114- Rec. 5'M FP-30-40  
 FSIP 0\*

DST 4396-4410/124- Rec 489' GIP 766'  
 Clean oil 514 VHM C Gsy 0:1  
 1 3/8" / 7 BHP 1255\*

DST 4410-20/245 Rec. 249' GIP 176' 0:1  
 2 3/8" HG 20 + MCO  
 FP 70-200 FSIP 1360\*

Drill Stem Test #1, 4313-4325', 12' anchor, open 10 minutes, initial shut in 30 minutes, open 1 hour, final shut in 30 minutes, recovered 2302' gas in pipe, 178' emulsified muddy oil, 124' very heavily oil cut mud, initial shut in pressure 255#, initial flow pressure 30# final flow pressure 105#, final shut in pressure 190#, 39° gravity at 60° F.

Core #1, 4326 - 4351'.

4326-4330.6 Tan finely crystalline hard dense limestone, high-angle and vertical fracture, irregular shale partings, no show.

4330.6-4332.4 Black coaly shale.

4332.4-4333 Green, gray shaley limestone, slightly sandy, finely crystalline.

4333-4337.6 Shaley lincy hard well indurated fine to medium sand, becoming conglomeratic, bottom 2.6 feet look wet, no show, no visible porosity and permeability.

4337.6-4347.5 Crumbly red, green, black and gray shale, slightly coaly, mud stone.

4347.5-4350.5 Green, brown very calcareous shale and very shaley finely crystalline dense hard limestone, no show.

4350.5-4351 Crumbly red, green shale.

4351-4360 Red, green and gray shale, aightly silty with streaks shaley hard dense limestone.

4360', Circulated, to clean up hole, mix mud, and look at samples before drilling ahead.

4360-4370 Red, green and gray shale with trace green, brown hard shaley sandstone, buff finely crystalline dense hard limestone, trace white opaque blocky chert.

4370-4386 Red, green and gray shale with light gray shaley finely crystalline shaly dense limestone.

4386', Circulated, one hour, limestone and shale as above, some grains sand scattered in shale.

4386-4396 Red, green and gray shales with imbedded sand grains, yellow, white and tan mottled cherts, some weathered, mostly fresh, some white to light gray medium crystalline limestone, no odor in sample, some scattered stain.

Drill Stem Test #2, 4380-4396', open 1 hour and 10 minutes, initial shut in 30 minutes, final shut in 30 minutes, recovered 5' mud, initial shut in pressure 40#, initial flow pressure 30#, final flow pressure 40#, final shut in pressure 0#.

4396-4410 Red and gray shales, with mostly white to yellow tan to buff chert, opaque, some fresh, some weathered, good live odor of oil, some free oil in weathered chert and staining, looks porous, some scattered saturation in tripolitic chert.

Drill Stem Test #3, 4396-4410', open 10 minutes, initial shut in 30 minutes, open one and one-half hours, final shut in 45 minutes, recovered 484' gas in pipe, 766' clean gassy oil, 514' heavy mud cut gassy oil, initial shut in pressure 1255#, initial flow pressure 185#, final flow pressure 390#, final shut in pressure 675# ?, 42.6° gravity at 98° F.

4410-4430 White to tan fresh sharp opaque and tripolitic chert with good oil stains on weathered surfaces some tan to buff finely crystalline sucrosic dolomite.

4430-4450 Mostly fresh white blocky opaque chert, some tripolitic with stain in weathered parts.