

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

ORIGINAL

Operator: License # 09740  
Name: Petro Locatos Inc.  
Address P.O. Box 77  
Pratt,  
City/State/Zip Kansas 67124

Purchaser: NA

Operator Contact Person: MR. Clarence Michael

Phone (316) 672-3040

Contractor: Name: Pratt Well Service Inc

License: 5893

Wellsite Geologist: J. W. Tanner

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Natural Gas & Oil Company

Well Name: Sutton #4

Comp. Date 9-'53 Old Total Depth 3990'

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. D-26,450

April 1, 1992 April 4, 1992 April 10  
Spud Date Date Reached TD Completion Date

API NO. 15- 145-01,008-0001

County Pawnee

SW NE NW 1/4 Sec. 27 Twp. 22S Rge. 15W  E

4,290 Feet from  N (circle one) Line of Section  
3,630 Feet from  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE,  SE, NW or SW (circle one)

Lease Name Owen Well # 4

Field Name Dunnes

Producing Formation Arbuckle

Elevation: Ground 1,988' KB 1,993'

Total Depth 4,242' PBTD NA

Amount of Surface Pipe Set and Cemented at 199'\* Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from \*521'

feet depth to surface w/ 150 sx cmt.

Drilling Fluid Management Plan AIR  
(Data must be collected from the Reserve Pit)

less than  
Chloride content 10,000 ppm Fluid volume 250 bbls

Dewatering method used gravity

Location of fluid disposal if hauled offsite:  
disposed in same well.

Operator Name Petro Locatos Inc.

Lease Name Owen License No. 09740

nw Quarter Sec. 27 Twp. 22S S Rng. 15W  E/W

County Pawnee Docket No. D-26,450

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 Clarence Michael

Title J.P. Date 4/14/92

Subscribed and sworn to before me this 14<sup>th</sup> day of April, 1992.

Notary Public Linda A. Swonger

Date Commission Expires 11-05-94

NOTARY PUBLIC - State of Kansas  
LINDA A. SWONGER  
My Appt. Exp. 11-05-94

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
RECEIVED  
STATE CORPORATION COMMISSION  
KCC  SWD/Rep  NGPA  
KGS  Other (Specify) \_\_\_\_\_  
APR 14 1992  
14-15-92  
CONSERVATION DIVISION  
Wichita, Kansas  
Form ACD-1 (7-91)

Operator Name Petro Locators Inc.

Lease Name Owen

Well # 4

Sec. 27 Twp. 22s Rge. 15w

East  
 West

County Pawnee

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Old Tops</b>		
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	HEEB	3405'	-1412'
List All E.Logs Run:	NA	BR LM	3528	-1535
		LANS	3537	-1544
		B/KC	3767	-1774
		VIO	3907	-1914
		SIMP SH	3934	-1941
		ARB	3982	-1989
		OLD TD	3990	-1997
		New TD	4242	-2249

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
OLD INFO: 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 3/4"	10"	28	199'	comm.	200	4%cc
Production	9"	7"	22	3989'	comm.	200	2%cc

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
<input type="checkbox"/> Perforate					
<input checked="" type="checkbox"/> Protect Casing	Surface	521'	Comm.	150	3%cc
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone	Same	Comm.	100	a.a.	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	RTBP	600'	100sxs	521'
OH	NA		3,000 gals 28%	3990-4242'

<b>TUBING RECORD</b>	Size <u>2 7/8" EHU DUO-lined</u>	Set At <u>3943'</u>	Packer At <u>3943'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	<u>April 10, 1992</u>	Producing Method	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	<u>NA</u>
Estimated Production Per 24 Hours	Oil <u>NA</u> Bbls.	Gas <u>NA</u> Mcf	Water <u>NA</u> Bbls.	Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: NA

Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Commingled

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

Production Interval \_\_\_\_\_

# ORIGINAL DRILLER'S LOG

**COMPANY:** Natural Gas and Oil Corporation and Cities Service Oil Company

**CONTRACTOR:** Drilling Department of Natural Gas and Oil Corporation

**LOCATION:** Sutton No. 4, SW NE NW Section 27-22S-15W Pawnee County, Kansas

**COMMENCED:** September 6, 1953 - Rotary  
September 24, 1953 - Cardwell

**COMPLETED:** September 20, 1953 - Rotary  
September 25, 1953 - Cambell

**ELEVATION:** 1993 RD

0	to	118	Sand
118	to	199	Shale
199	to	202	Cement
202	to	415	Shale and shells
415	to	500	Sand
500	to	510	Shale, shells and sand
510	to	740	Shale and shells
740	to	946	Red bed and shale
946	to	970	Anhydrite
970	to	1300	Shale and shells
1300	to	1453	Shale, salt and lime
1453	to	1705	Shale, lime and shells
1705	to	2295	Lime
2295	to	2895	Lime and shale
2895	to	2935	Lime
2935	to	3075	Lime and shale
3075	to	3095	Lime
3095	to	3235	Lime and shale
3235	to	3415	Lime
3415	to	3545	Lime and shale
3545	to	3770	Lime
3770	to	3859	Lime and shale
3859	to	3920	Lime
3920	to	3972	Lime and shale
3972	to	3987	Lime, shale and sand
3987	to	3990	Arbuckle dolomite
		3990	T. D. Rotary

Set 198 feet of 10 3/4" 32# surface pipe. Cemented with 200 sacks cement and 4 sacks calcium chloride.

Set 7" 20# casing at 3989. Cemented with 200 sacks cement.

<b>TOPS:</b>	Anhydrite	946	Lansing	3537	Simpson shale	3934
	Heebner	3405	Base KC	3767	Arbuckle	3982
	Brown Ls	3528	Viola	3907		

**DRILL STEM TEST:** 3983-90, open 1 hour, recovered 180' gas, 2640' oil, IPP 220#, PFP 930#, MHP 1250#.

Schlumberger run. Drilled cement and shoe, 1 foot open hole, CO<sub>2</sub> Swabbed 90 BO in 3 hours 600 feet off bottom. Putting on pump.

9/25/53 Filed 25 BOPD Temporary Productivity Affidavit.

### C E R T I F I C A T E

I Harold A. Burt, do hereby certify that the above and foregoing is a true and correct copy of the log of the Sutton #4, SW NE NW Section 27-22S-15W, Pawnee County, Kansas as reflected by files of the Natural Gas & Oil Corporation.

*Harold A. Burt*  
Harold A. Burt

Subscribed and sworn to before me, a Notary Public, within and for Sedgwick County, Kansas, this 28th day of September 1953.

*Esther Unsell*  
Esther Unsell, Notary Public

RECEIVED  
STATE CORPORATION COMMISSION

APR 15 1992

NOTARY COMMISSION EXPIRES MAY 26, 1957

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

Lansing Section 3537 (-1544)

On this test the top of the Lansing was found to be four feet lower than the #3 Sutton, twelve feet lower than the #2 Sutton and three feet lower than the #1 Sutton.

- 3623-40 White to buff lime with oocastic and pinpoint porosity, no odor and no show.
- 3660-70 White-buff lime with fair pinpoint and oocastic porosity, trace of tarry stain, no odor.
- 3706-12 White and buff oolitic lime with poor porosity, no odor, no show.

The Viola Section consisted of bone white opaque chert and white decayed chert with residual stain and trace of live oil, no show, no porosity, green and gray shale throughout section.

The Simpson Section consisted mostly of green and gray shales with some interbedded streaks of white rounded sand and sandy dolomite. The samples had a questionable odor and residual stain with a trace of live oil. Five to ten per cent saturation. This zone had no noticeable drill off and did not merit testing.

Arbuckle Section 3982 (-1989)

The top of the Arbuckle dolomite was found to be five feet lower than the #1 Sutton, thirty feet lower than the #2 Sutton and thirteen feet lower than the #3 Sutton.

- 3982-3990 A total of eight feet of the Arbuckle was cut. The top four feet consisted of white medium crystalline dolomite with fair porosity, no odor and trace of light stain. The lower four consisted of sacrosic white dolomite with poor saturation, fair porosity, slight odor, and show of live oil.

DST #1 3983-3990, (7' anchor) 1/2" top and 3/4" bottom chokes. Good blow throughout test. Recovered 180' gas above 2640' clean gassy oil. IFP 220#, FFP 930#, BHP 1250#.

Total Depth 3990 (-1997)

The cement and shoe were drilled leaving one foot of open hole. After cleaning out, the well swabbed ninety barrels of oil in three hours, 600 feet off bottom. The well was then put on the pump.

RECEIVED  
STATE CORPORATION COMMISSION

APR 15 1992

CONSERVATION DIVISION  
Wichita, Kansas

NATIONAL GAS AND OIL CORPORATION  
LOG OF WELL

ORIGINAL

SHEET No. 1

DATE MADE November 2, 1953

Field Dunes Lease Sutton Well No. 4  
State Kansas County or Parish Pawnee Twp. 22 Range 15W Sec. 27  
Location of Well Southwest of the Northeast of the Northwest Quarter

Commenced Rigging Up 9/6/53 Commenced Drilling 9/7/53 Completed Well 9/25/53 Contractor Co. Tools  
Completed as:  Oil Well  Gas Well  Dry Hole—Total Depth 3990 P. B. Depth \_\_\_\_\_  
Ground Elevation 1989 Derrick Elevation 1991 R. K. B. to Brdhd. 1993 RB

OIL OR GAS ZONES

NAME	FROM	TO	D. W. CONTACT	NAME	FROM	TO	D. W. CONTACT
1. <u>Arbuckle</u>	<u>3982</u>	<u>3990</u>		4.			
2.				5.			
3.				6.			

CASING AND CEMENTING RECORD

SIZE	WT.	GRADE	THDS.	PUT IN WELL FEET	SHOES		SCRATCHERS		CENTRALIZERS		WHERE LANDED FEET	CEMENT		PLUGS		NO. HOORS W. O. C.	FIN. PRESS.
					LENGTH	MAKE	NO.	DEPTH	NO.	DEPTH		SACKS	TYPE	TOP	BTM		
<u>10 3/4</u>	<u>32</u>	<u>A</u>	<u>8</u>	<u>199'</u>							<u>199'</u>	<u>200</u>	<u>com</u>			<u>30</u>	
												<u>4</u>	<u>cc</u>				
<u>7"</u>	<u>20</u>	<u>A</u>	<u>8</u>	<u>3989</u>							<u>3989</u>	<u>200</u>	<u>com</u>				

PERFORATION AND SQUEEZE RECORD

DEPTH PERFORATED	NO. SHOTS	PERFORATOR	RETAINER SET	TYPE	CEMENT USED	BREAKDOWN PRESSURE	FINAL PRESSURE	CEMENT SQUEEZED BELOW TOOL	CEMENT REVERSED	N. H. W. C.
<u>None</u>										

TUBING RECORD

TUBING					PACKER			SAFETY JOINT		LANDING NIPPLE		TAIL PIPE
SIZE	WT.	GRADE	THDS.	PUT IN WELL	TYPE	MAKE	WHERE SET	TYPE	JTS. ABOVE PACKER	MAKE AND TYPE	JTS. ABOVE PACKER	BELOW PACKER
<u>2 7/8</u>	<u>6.5#</u>	<u>A</u>	<u>10</u>	<u>3988</u>								

Producing Perforations None No. Holes - Acidized -  
No. Gallons \_\_\_\_\_ Breakdown Pressure \_\_\_\_\_ PSI; Final Pressure \_\_\_\_\_ PSI; Swabbed \_\_\_\_\_  
Prod. Began 9/25/53 I.P.-B.O.D. 472.26 Gravity API Corr. 28 @ 60° Gas Gravity \_\_\_\_\_ Choke \_\_\_\_\_  
Tub. Press. \_\_\_\_\_ PSI; Csg. Press. \_\_\_\_\_ PSI; B S & W 5 %; Gas Volume \_\_\_\_\_ MCF @ \_\_\_\_\_ PSI.  
Gas Oil Ratio \_\_\_\_\_; Bbl. Liq./MMCF \_\_\_\_\_; S. I. Tub. Press. \_\_\_\_\_ PS  
S. I. Casing Press. \_\_\_\_\_ PSI; BHP \_\_\_\_\_ PSI @ \_\_\_\_\_ Ft.; B. H. T. \_\_\_\_\_ @ \_\_\_\_\_ F

Prepared By Richard M. Linehan  
RECEIVED  
STATE CORPORATION COMMISSION

DEC 15 1953

CONSERVATION DIVISION  
Wichita, Kansas

LOG OF WELL

ORIGINAL

SHEET No. 2

FIELD Dunes		LEASE Sutton		WELL NO. 4
FORMATION	FEET Depth	FROM Datum	TO	REMARKS
				Schlumberger Tops
				Depth Datum
Anhydrite				945 71048
Heebner	3405	-1412		3402 -1409
Brn. Lime	3528	-1535		3526 -1533
Lansing	3537	-1544		3535 -1542
Base Kansas City	3767	-1774		3771 -1778
Viola	3907	-1914		3907 -1914
Simpson	3934	-1941		3934 -1941
Arbuckle	3982	-1989		3980 -1987
T.D.	3990	-1997		3989 -1996

RECEIVED  
KANSAS CORPORATION COMMISSION

APR 15 1992

CONSERVATION DIVISION  
WICHITA, KS