

KANSAS CORPORATION COMMISSION
Oil & Gas Conservation Division
WELL COMPLETION FORM
WELL HISTORY- DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must be Filed

COPY

Operator License #: 8061

Name: Oil Producers, Inc. of Kansas

Address: P.O. Box 8647

City/State/Zip: Wichita, Ks. 67208

Purchaser: Western Gas Resources

Operator Contact Person: Diana Richecky

Phone: (316) 681-0231

Contractor Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: William Shepherd

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.

☒ Gas ☐ ENHR ☐ SIGW

☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator:

Well Name:

Original Comp. Date: Original Total Depth:

Deepening Re-perf. Conv. To Enhr./SWD

Plug Back Plug Back Total Depth

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Enhr.?) Docket No.

12/15/01 12/21/01 1/17/02

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 077-21422-0000

County: Harper

N/2 - S/2 - SE Sec. 35 Twp. 32 S. R. 6 ☐ East ☒ West

990 feet from (S) N (circle one) Line of Section

1320 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: Osborne Well #: 1

Field Name: Freeport West

Producing Formation: Mississippi

Elevation: Ground: 1334 Kelly Bushing: 1339

Total Depth: 4524' Plug Back Total Depth: 4464'

Amount of Surface Pipe Set and Cemented at 250' Feet

Multiple Stage Cement Collar Used? ☐ Yes ☒ No

If yes, show depth set

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan: ALI EN 6-21-02

(Data must be collected from the Reserve Pit)

Chloride content 19500 ppm. Fluid volume 500 bbls.

Dewatering method used Hauled to SWD

Location of fluid disposal if hauled offsite:

Operator Name: See included CDP-5's

Lease Name: License No.

Quarter Sec. Twp. S. R. ☐ East ☐ West

County Docket No.:

INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas Corporation Commission, 130 S. Market, Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-120 and 82-3-107 apply. Information of side two of this form will 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 John L. Richecky

Title: President Date: 6/3/02

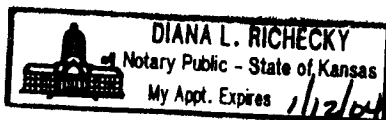
Subscribed and sworn to before me this 3rd day of June 2002

Notary Public Diana L. Richecky

Date Commission Expires: 1/12/2004

KCC Office Use ONLY

☒ Letter of Confidentiality Attached
☒ If Denied, Yes ☐ Date
☒ Wireline Log Received
☒ Geological Report Received
☐ UIC Distribution



COPY

Operator Name: Oil Producers, Inc. of Kansas Lease Name: Osborne Well #: Sec. 35 Twp. 32 S. R. 6 ☐ East ☒ West County: Harper

INSTRUCTIONS: show important tops and base of formations penetrated. Detail all cores. Report all final copies of 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 test, along with final chart(s). Attached extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological wellsite report.

Drill Stem Tests Taken ☒ Yes ☐ No
(Attach Additional Sheets)Samples Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No

Logs: Geological, Sonic Log, Dual Induction Log, Compensated

Neutron Density PE log, Dual Receiver Cement Bond Log

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Kansas City	3743'	-2404'
Cherokee	4173'	-2834'
E. Mississippi	4360'	-3021'
Mississippi	4364'	-3025'

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LTD

4524'

-3185'

CASING RECORD ☒ New ☐ Used

Report all strings set- conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole	Size Casing	Weight	Setting	Type of	# Sacks	Type and Percent
	Drilled	Set (in O.D)	Lbs./ Ft.	Depth	Cement	Used	Additives
Surface		8 5/8"	23	250'	60 40 poz	175	2% gel, 3% cc
Production		4 1/2"	10.5	4524'	EA-2/60 40 poz	100/35	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth	Type of Cement	# sacks used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
		SEE ATTACHED INITIAL COMPLETION REPORT	same
TUBING RECORD			
Size	Set At	Packer At	Liner Run
2 3/8"	4451'		++ ++ ++ Yes ++ No
Date of First, Resumed Production, SWD or Inj. Producing Method			
Estimated Production	Oil Bbls.	Gas Mcf	Water Bbls.
		200 mcfd	BWPD
		Flowing Pumping	Gas Lift Other (Explain)
			Gas-Oil Ratio Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

+++ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ See report

(If vented, submit ACO-18.)

+++ Other (Specify) _____

ORIGINAL

OIL PRODUCERS INC., OF KS.
INITIAL COMPLETION REPORT

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WELL - #1 OSBORNE

LEGAL - N/2-S/2-SE/4 OF 35-32s-6w IN HARPER CO. KS.

API# - 15-077-21,422

G.L. - 1334'

K.B. - 5' ABOVE G.L. @ 1339'

SURFACE CSN - 8 5/8" @ 250' WITH 175 SX.

RTD - 4525'

LTD - 4524' (ELI OPEN HOLE RAN 12/21/01)

PRODUCTION CASING - 4 1/2", 10.5#, RG-3 NEW @ 4524' WITH 100 SX EA-2

TOP OF CEMENT - 4006' WITH GOOD CEMENT BONDING ACROSS PAY ZONES.

PBTD - 4464' (ELI BOND LOG RAN 1/10/02)

<u>PERFORATIONS</u> -	MISSISSIPPI	4371'-4375'	2/FT.	1/10/01
	MISSISSIPPI	4386'-4391'	2/FT.	1/10/02
	MISSISSIPPI	4396'-4410'	1/FT.	1/10/02

TUBING RAN - 15' MUD ANCHOR, SEATING NIPPLE, 142 JTS. 2 3/8" USED T&D (4432.00')

TUBING SET @ - 4451.10'

AVERAGE TBG JT. - 31.21'

SURFACE EQUIPMENT - 1 - 10' X 12' 210 BBL STEEL STOCK TANK
1 - 30" X 5', 125#, VERT. SEPARATOR WITH MANUAL DUMP
SMALL LINE HEATER.

1/9/02

COMANCHE WELL SERVICE ON LOCATION, RIGGED UP D-D DERRICK.

1/10/02

ELI WIRELINE ON LOCATION TO RUN DUAL RECEIVER CEMENT BOND LOG.

FOUND TTL DEPTH - 4464' (THIS IS 18' HIGH TO TOP OF INSERT @ 4482')

FOUND TOP OF CEMENT - 4006' WITH GOOD CEMENT BONDING ACROSS PAY INTERVALS

COMANCHE SWABBED 4 1/2" CASING DOWN TO 4000' FROM SURFACE.

ELI RIGGED TO PERFORATE PROPOSED INTERVALS IN MISS DOLOMITE UTILIZING 32
GRAM EXPENDABLE CASING GUNS.

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1/10 CONT.

PERFORATE MISSISSIPPI - 4371'-4375' WITH 2 SHOTS/FT.
PERFORATE MISSISSIPPI - 4386'-4391' WITH 2 SHOTS/FT.
PERFORATE MISSISSIPPI - 4396'-4410' WITH 1 SHOT/FT.

COMANCHE SWABBED 4 1/2" CASING DOWN TO TTL DEPTH.
2 HR. NATURAL TEST - RECOVERED NO FLUID, VERY SLIGHT SHOW OF GAS.

ACID SERVICES ON LOCATION TO ACIDIZE ALL MISS DOLOMITE PERFORATIONS WITH
2500 GALS 15% DSFE ACID AND 50 BALL SEALERS.

ACIDIZE ALL MISS DOLOMITE PERFS AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID
PUMP 2000 GALS 15% DSFE ACID WITH 50 BALL SEALERS SPACED EQUALLY.
LOAD HOLE WITH FIELD BRINE (12 BBLS)
PRESSURE TO 700# AND STARTED FEEDING.
DISPLACE 500 GALS ACID @ 4 BPM - 400# TO 200#.
DISPLACE 1750 GALS ACID WITH BALLS @ 5 BPM - 225# TO 2000# (PERFS BALLED OFF)
ISIP - VAC, TOTAL LOAD - 130 BBLS.

COMANCHE RIGGED TO SWAB BACK ACID LOAD AND TEST MISS AFTER ACID.

TEST MISS AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ SURFACE.
MAKE 4 SWAB RUNS, RECOVERED 30 BBLS, WELL KICKED OFF FLOWING.
1 1/2 HR. FLOW TEST - RECOVERED 53 BBLS, SHOW OF OIL, TEST GAS @ 600 MCFPD.
SHUT IN FOR 30 MINUTES TO GET SWAB EQUIPMENT OFF WELL HEAD.
1/2 HR SIP - 550 psi, PUT WELL BACK FLOWING TO TANK @ 4:00 PM.
1 HR. FLOW - RECOVERED 5 BBL WATER, SHOW OF OIL, TEST GAS @ 980 MCFPD.
SHUT WELL IN FOR THE NIGHT.

1/11/02

SICP - 1350#, SBHP - CALCULATES 1550#.
BLOW WELL DOWN.

ACID SERVICES ON LOCATION TO RE-ACIDIZE MISS PERFS WITH 3000 GALS 15% SGA ACID.

RE-ACIDIZE ALL MISS PERFS AS FOLLOWS:

PUMP 3000 GALS 15% SGA ACID.
DISPLACE ACID WITH 80 BBLS FIELD BRINE @ 5 BPM - 150#.
ISIP - VAC, TOTAL LOAD - 152 BBLS.

SIOUX TRUCKING ON LOCATION WITH 132 JTS. 2 3/8" TUBING (4170') FROM IRELAND
TRUST, AND 10 JTS. 2 3/8" TUBING (310') FROM ALLTON-B.

COMANCHE RIGGED TO RUN PRODUCTION TUBING WHILE WELL IS DEAD FROM ACID JOB.

RAN PRODUCTION TUBING AS FOLLOWS:

MUD ANCHOR X 2 3/8"	15.00'
SEATING NIPPLE @X 2 3/8"	1.10'
142 JTS. USED TESTED & DRIFTED 2 3/8"	4432.00'
K.B. (5' < 2' ABOVE G.L.)	3.00'
TUBING SET @	4451.10'
SEATING NIPPLE SET @	4436.10'

PACKED TUBING OFF.

COMANCHE RIGGED TO SWAB 2 3/8" TUBING, TO TEST MISS AFTER RE-ACID JOB.

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1/11 CONT.

TEST MISS AFTER RE-ACID JOB AS FOLLOWS:

FOUND FLUID LEVEL @ 900' FROM SURFACE. (SBHP = 1669#)

SWAB 1 ½ HRS. RECOVERED 56.78 BBLs, WELL KICKED OFF FLOWING.

½ HR. FLOW - RECOVERED 6.68 BBLs, SHOW OIL, TEST GAS @ 802 MCFPD, FCP=400#

½ HR. FLOW - RECOVERED 16.70 BBLs, SHOW OIL, TEST GAS @ 1188 MCFPD, FCP=600#

½ HR. FLOW - RECOVERED 5.01 BBLs, SHOW OIL, TEST GAS @ 1233 MCFPD, FCP=500#

TOTAL RECOVERY SINCE ACID JOB - 85.17 BBLs OF 152 BBL ACID LOAD.

SHUT DOWN FOR THE WEEKEND.

1/14/02

SITP = 975#, SICP = 1450#, SBHP - CALCULATES 1662#. BLOW WELL DOWN.

CONTINUE FLOW TESTING WELL AFTER RE-ACID AS FOLLOWS:

½ HR. FLOW - RECOVERED 21.71 BBLs, SHOW OF OIL, TEST GAS @ 893 MCFPD, FCP=560#

½ HR. FLOW - RECOVERED 5.01 BBLs, SHOW OF OIL, TEST GAS @ 937 MCFPD, FCP=540#

1 HR. FLOW - RECOVERED 10.02 BBLs, SHOW OF OIL, TEST GAS @ 1105 MCFPD, FCP=500#

1 HR. FLOW - RECOVERED 5.01 BBLs, SHOW OF OIL, TEST GAS @ 1064 MCFPD, FCP= 500#

1 HR. FLOW - RECOVERED 6.68 BBLs, SHOW OF OIL, TEST GAS @ 1105 MCFPD, FCP = 500#

TOTAL RECOVERY OF 152 BBL ACID LOAD @ THIS POINT = 133.60 BBLs.

WESTERN GAS RESOURCES ON LOCATION TO WITNESS GAS TESTING AND PRESSURE DATA. THEY WILL HOOK UP GAS METERING STATION AND LAY PIPELINE TO US ASAP.

SPIVEY OILFIELD WILL LAY APPROX 1250' 2 3/8" STEEL TUBING LEAD LINE FROM WELL TO TANK BATTERY SITE ASAP. STREMMEL OILFIELD WILL SET VERTICAL SEPARATOR FROM OPIK STOCK, SET SMALL HORIZONTAL LINE HEATER, AND SET 10' X 12' 210 BBL STEEL STOCK TANK FROM IRELAND TRUST ALL THIS SHOULD BE DONE WITHIN 1 WEEK.

END OF REPORT


BRAD SIROKY.