FORM MUST BE TYPED

SIDE ONE

COPY

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

Operator: License # 06194

Name: ESP Development, INc.

Address 17746 171st. Blvd.

City/State/Zip Paradise, KS 67658

Purchaser:

Operator Contact Person: Bud Eulert

Phone (785) 998-4413

Contractor: Name: Vonfeldt Drilling, Inc.

License: 9431

Wellsite Geologist: Randy Kilian

RECEIVED
STATE CORPORATION COMMISSION
JUN 17 2000
CONSERVATION DIVISION
Wichita, Kansas

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

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

If Workover:

Operator:

Well Name:

Comp. Date ___ Old Total Depth ___

___ Deepening ___ Re-perf. ___ Conv. to Inj/SWD
___ Plug Back ___ PBTD
___ Commingled Docket No. ___
___ Dual Completion Docket No. ___
___ Other (SWD or Inj?) Docket No. ___

3-21-00 Spud Date | 3-28-00 Date Reached TD | 3-28-00 Completion Date

API NO. 15- 167-231660000

County Russell

Approx. ___ NE - NW - SW Sec. 22 Twp. 11S Rge. 15 X E W

2245 Feet from (S)/N (circle one) Line of Section

4305 Feet from (E)/W (circle one) Line of Section

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

Lease Name Eulert Ranch C Well # 2

Field Name

Producing Formation

Elevation: Ground 1841 KB 1846

Total Depth 3312 PBTD

Amount of Surface Pipe Set and Cemented at 210 Feet

Multiple Stage Cementing Collar Used? X Yes ___ No

If yes, show depth set DV set at 910' Feet

If Alternate II completion, cement circulated from 910

feet depth to surface w/ 200 sx cmt.

Drilling Fluid Management Plan Alt. 2 8-2-300 V.C.
(Data must be collected from the Reserve Pit)

Chloride content 28,000 ppm Fluid volume 400 bbls

Dewatering method used Allow to dry and backfill

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

___ Quarter Sec. ___ Twp. ___ S Rng. ___ E/W

County Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the 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 82-3-130, 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 Lewis Eulert

Title President Date 6-26-00

Subscribed and sworn to before me this 26th day of June, 2000

Notary Public Mona Hoisington

Date Commission Expires 03-26-03

NOTARY PUBLIC - State of Kansas
MONA HOISINGTON
My Appt. Exp. 3-27-03

K.C.C. OFFICE USE ONLY
F ___ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received

Distribution
✓ KCC ___ SWD/Rep ___ NGPA
___ KGS ___ Plug ✓ Other (Specify)
LOG

Form ACO-1 (7-91)

81548

SIDE TWO

Operator Name ESP DEVELOPMENT INC. Lease Name Eulert Ranch "C" Well # 2

Sec. 22 Twp. 11 Rge. 15 ☐ East ☒ West County Russell

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests gi interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static leve., 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.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run: Radiation Guard Log
Gamma Ray Correlation Log

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

Name	Top	Datum
Anhydrite	916'	+928
Base	952'	+894
Topeka	2684'	-838
Heeb. Shale	2936'	-1090
Toronto	2956'	-1110
Lansing	2987'	-1141
Base Kc.	3244'	-1398
Arbuckle	3306'	-1460
T.D.	3315'	-1469

CASING RECORD ☒ New ☐ 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 ¼	8 5/8	20#	210'	60/40 Poz.	150	2% Gel 3%CC.
Production	7 7/8	5 ½	14# used	3308'	ASC J50	150	None

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate _X_ Protect Casing ___ Plug Back TD ___ Plug Off Zone	0'	to 910' DV topstage	60/40 Poz.	200	6% Gel.

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	Open hole 3306'	treated W/750 Gal. 15% FE Acid	3308'
8 shots	2822 to 2824'	treated thru tubing w/packer 500 Gal. 15% Non-E Acid. 400#	2822 to 2824.
10 holes	2716 to 2721	treated thru tubing w/packer 1000 Gal. 15% Non-E Acid %00#	2716 to 2721

TUBING RECORD Size 2 3/8 Set At 3308' Packer At — Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. 5-23-00 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours: Oil 31 Bbls. Gas Mcf Water 8 Bbls. Gas-Oil Ratio 34. Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval 3306'

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

☒ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2822 to 2824' 2716 to 2721'

☐ Other (Specify) _____

DRILL STEM TESTS

COPY

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	Topeka 2699- 2720'	26# 37# 30"	767# 45"	42# 47# 30"	744# 45"	1261# 1233#	755' GIP 90' OCM 30% Oil
2	LKc A-B 3000- 3063'	16# 75# 30"	518# 30"	61# 103# 45"	521# 60"	1486# 1444#	150' Mud
3	Arb. 3298- 3312'	16# 27# 30"	944# 45"	28# 46# 60"	939# 90"	1635# 1635#	40' Oil grav 30 50' HOCM 50% Oil
4							
5							
6							
7							
8							

COPY

ORIGINAL

DRILLERS WELL LOG

Date Commenced: March 21, 2000
Date Completed: March 28, 2000

ESP Development, Inc.
Eulert Ranch C #2
NE NW SW Sec. 22-11S-15W
Russell County, Kansas

Elevation: 1841' G.L.
1846' K.B.

0 -	908'	Lime, Shale & Sand
908 -	948'	Anhydrite
948 -	960'	Shale
960 -	2508'	Shale & Lime
2508 -	2700'	Lime & Shale
2700 -	2720'	Shale & Lime
2720 -	2740'	Shale
2740 -	3063'	Shale & Lime
3063 -	3135'	Lime & Shale
3135 -	3312'	Shale & Lime
	3312'	R.T.D.

FORMATION DATA

Anhydrite	908'
Base Anhydrite	948'

Surface Pipe: Set 20#, new, 8 5/8" casing @ 210' with 150 sacks 60/40 Poz., 2% Gel., 3% CC.

Production Pipe: Set 14#, used, 5 1/2" casing @ 3308'. Cement top with 150 sacks ASC, cement bottom with 200 sacks 60/40 Poz., 2% Gel., flush with 500 gallons mud flush.

AFFIDAVIT

STATE OF KANSAS)
) ss:
COUNTY OF RUSSELL)

Alan Vonfeldt of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Alan Vonfeldt
Alan Vonfeldt

Subscribed and sworn to before me this 1st day of April, 2000.

My Commission Expires:

August 30, 2003

Cheryl M. Payne
Cheryl M. Payne, Notary Public

NOTARY PUBLIC - State of Kansas
CHERYL M. PAYNE
My Appt. Exp. 8-30-03