

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

8412
COPY

API NO. 15- 019-25,480

28-33-12E

County CHAUTAUQUA -0001 XX

SE - SE - SW Sec. 28 Twp. 33 Rge. 12

Operator: License # 30487

Name: UNITED STATES EXPLORATION, INC.

Address 1901 NEW STREET

City/State/Zip INDEPENDENCE, KANSAS 67301

Purchaser: PERU-HALE PIPELINE SYSTEM

Operator Contact Person: LOREN D. SCHMIDT

Phone (316) 331-1615

Contractor: Name: T.L. CARROLL ENTERPRISES

License: 5807

Wellsite Geologist:

Designate Type of Completion
New Well Re-Entry XX Workover

Oil SUD SLOW Temp. Abd.
XX Gas ENHR SIGW
Dry Other (Core, WSV, Expl., Cathodic, etc)

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

Operator: UNITED STATES EXPLORATION, INC.

Well Name: ZIMMERMAN #1

Comp. Date 11-15-91 Old Total Depth 1621

Deepening XX Re-perf. Conv. to Inj/SUD
XX Plug Back 1520 PBTD
Commingle Docket No.
Dual Completion Docket No.
Other (SUD or Inj?) Docket No.

11-03-87 11-06-87 3-04-93
Spud Date Date Reached TD Completion Date

330 Feet from S (circle one) Line of Section

2970 Feet from E (circle one) Line of Section

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

Lease Name ZIMMERMAN Well # #1

Field Name PERU-SEDAN

Producing Formation MULKY COAL

Elevation: Ground 786 KB

Total Depth 1621 PBTD 1615

Amount of Surface Pipe Set and Cemented at 44 Fee

Multiple Stage Cementing Collar Used? Yes XXX N

If yes, show depth set Fee

If Alternate II completion, cement circulated from 1615

feet depth to SURFACE w/ 160 sx cnt

Drilling Fluid Management Plan 4-5-97
(Data must be collected from the Reserve Pit)

AIR DRILLED

Chloride content ppm Fluid volume bbl

Deviating method used

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, 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 Loren D. Schmidt

Title GEOLOGIST Date 3-10-93

Subscribed and sworn to before me this 10th day of MARCH 19 93.

Notary Public Tammi L. Musgrove

Date Commission Expires JANUARY 23, 1994

TAMMI L. MUSGROVE
Notary Public - State of Kansas
My Appt. Expires 1-23-94

RECEIVED
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
MAR 12 1993
DISTRIBUTION TO CONSERVATION DIVISION
KCC SUD/R
KGS Plug
Other (Specify) IS

Form ACO-1 (7-91)

Sec. 28 Twp. 33 Rge. 12 ☒ East 23050 County CHAUTAUQUA
☐ 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 ☐ Yes ☒ No (Attach Additional Sheets.)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

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

List All E.Logs Run: GRN

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

Name	Top	Datum
MULKY COAL	1216	-430

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	8 3/8"	7"		44'	PORTLAND	7	
PRODUCTION	6 1/2"	4 1/2"	9.5	1615'	PORTLAND A	160	GEL, FLO-SEA
							GIL, SALT

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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
3 SPF	1215 - 1223	250 GALS 15% HCl, 6000# 20/40	1215 - 1223
	BRIDGE PLUG AT 1520	SD, 1500# 10/20 SD, 220 BBLS	
		40# GELLED 2% KCl WATER	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	1179	NONE		
Date of First, Resumed Production, SWD or Inj.	3-06-93	Producing Method	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. -0-	Gas Mcf 35	Water Bbls. 50	Gas-Oil Ratio	Gravity

Disposition of Gas:

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

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval

1215-1223