SIDE ONE

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

Operator: License # 3333

Name: B P OIL

Address P O BOX 223

City/State/Zip CHANUTE, KS 66720

Purchaser: CRUDE MARKETING

Operator Contact Person: EARL BARTHOLOMEW

Phone (316) 431-2758

Contractor: Name: Fleming Drilling

License: 5378

Wellsite Geologist: none

AUG 20 1991

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

X Oil ____ SWD ____ Temp. Abd.
____ Gas ____ Inj ____ Delayed Comp.
____ Dry ____ Other (Core, Water Supply, etc.)

If OWWO: old well info as follows:
Operator: none

Well Name: ____

Comp. Date ____ Old Total Depth ____

Drilling Method:
X Mud Rotary ____ Air Rotary ____ Cable

9-17-81 Spud Date | 9-19-81 Date Reached TD | 9-25-81 Completion Date

API NO. 15- 205-22,246

County WILSON

____ S2 SW4 Sec. 12 Twp. 27S Rge. 16 X East ____ West

495 Ft. North from Southeast Corner of Section

3325 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

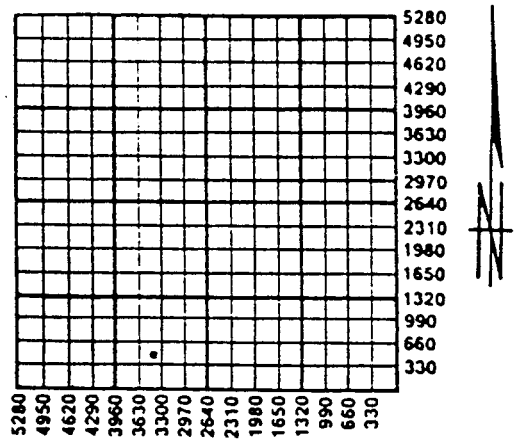
Lease Name OLSON Well # 13

Field Name BUFFALO

Producing Formation CATTLEMAN

Elevation: Ground X KB ____

Total Depth 1045 PBTD ____



Amount of Surface Pipe Set and Cemented at 45 Feet

Multiple Stage Cementing Collar Used? ____ Yes X 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 ACO-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 Denise A. Bartholomew

Title Operator Date 5/31/91

Subscribed and sworn to before me this 31 day of May, 19 91.

Notary Public Terrie A Berg

Date Commission Expires 12-5-91

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)

Form ACO-1 (7-89)

SIDE TWO

Operator Name B P OIL Lease Name OLSON Well # 13

Sec. 12 Twp. 27 Rge. 16 ☒ East ☐ West County WILSON

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.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken 1003-1045 ☒ Yes ☐ No

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

Log Enclosed

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Log enclosed		

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
Production	4-3/4	2-7/8		1040	Portland	90	2%Gel

PERFORATION RECORD Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	985.5 - 996	Frac 60 sack gel water	985.5 - 998.5
1	998		
1	998.5		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8	1040	None	☐ Yes ☒ No

Date of First Production	Producing Method
9-26-81	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	1	N/A	10		27

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

985.5

998.5

WELL RECORD

12-27-16E

Well No. 13 Farm Olson Producer Akandas, Inc.

Location Sec. Twp. Rg.

Elevation 1026.14 State Kansas County Wilson

Kind (Oil, Gas, Water, Dry Hole) oil Contractor Fleming Drilling, Inc.

Producing formation Top Bottom 431-1272

Shot with qts. from to

Packer Set at Kind Size

Liner from to Perforated from to

LOG

Thick-ness	Strata	Depth	Thick-ness	Strata	Depth
	top soil	2		drilled:	
3	clay	5	39	shale	1045
19	lime	24			
121	shale	145			
19	lime	164			
45	shale	209			
39	lime, brkn.	248			
90	shale	328			
98	lime	426			
14	shale	440			
93	lime	5333			
75	shale	608			
2	lime	610			
16	shale	626			
	shale	629			
32	lime	661			
75	shale	736			
2	lime	738			
	shale	741			
22	lime	763			
30	shale	793			
19	lime 20'	812			
5	shale	817			
5	lime	822			
83	shale	905			
81	shale	986			
	cored:				
17	lam oil sand	1003			
1	coal	1004			
2	shale	1006			

Total Depth 1045'

Open Hole set 45' of pipe for surface.

Casing at

Casing at

Casing at

Cement Ran 1039' of 2½" pipe with

Tubing float-shoe on bottom. Seating

nipple at 986'. Cem't 986' and

Rods 890'

Additional Information

started 9-17-81

Completed 9-19-81

RECEIVED
STATE CORPORATION COMMISSION
AUG 20 1991
CONSERVATION DIVISION

Date Completed O. K.

Superintendent

COMPANY [illegible] Inc. FARM Olson WELL NO. 13

SEC. TWP. RGE. LOC. COUNTY Wilson STATE Kansas

CONTRACTOR Fleming Drilling, Inc. SIZE HOLE 4 3/4 DRILL PIPE

REMARKS: SIZE PUMP LINERS LENGTH STROKE

DATE 9/81

DEPTH	TIME O'CLOCK	MIN.	REMARKS
986/87	10:32/36	4	lam oil sand
88	10:40	4	
89	10:43	3	
90	10:47	4	
91	10:52	5	
92	10:55	3	
93	11:00	5	
94	11:05	5	
95	11:09	4	
96	11:[illegible]12	3	
97	11:15	5	
98	11:20	5	
99	11:24	4	
1000	11:30	6	
1001	11:35	5	
1002	11:39	4	
1003	11:42	3	
1004	11:46	5	coal
1005	11:51	5	
1006	12:00	9	shale

DEPTH	TIME O'CLOCK	MIN.	REMARKS

RECEIVED
STATE CORPORATION COMMISSION
AUG 20 1991