

plugged 10-19-87

SIDE ONE

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

5

API NO. 15-175-20,976-0000  
County Seward  
100 N NW SW 13 33S Rge 32 East  
..... Ft North from Southeast Corner of Section  
..... Ft West from Southeast Corner of Section

Operator: License # 9953  
Name Harris Oil and Gas Company  
Address 621 17th Street, Suite 1640  
City/State/Zip Denver, CO 80293

2080  
4620  
(Note: Locate well in section plat below)

Purchaser.....

Lease Name Pinkerton Heirs Well # 1-13

Operator Contact Person Bud Harris  
Phone (303) 296-2006

Field Name.....

Producing Formation.....

Contractor: License # 5107  
Name H-30 Drilling, Inc.

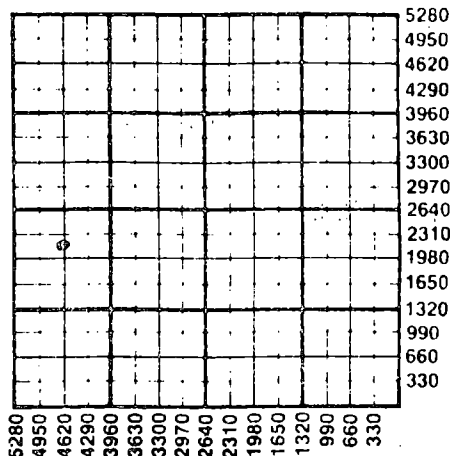
Elevation: Ground 2767 KB 2780

Wellsite Geologist.....  
Phone.....

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If ONWO: old well Info as follows:  
Operator.....  
Well Name.....  
Comp. Date.....Old Total Depth.....

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: \_\_\_\_\_ Disposal  
Docket # \_\_\_\_\_ \_\_\_\_\_ Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # 87-432

Groundwater 2310 Ft North from Southeast Corner  
4950 Ft West from Southeast Corner of  
Sec 13 Twp 33S Rge 32 East  West

Surface Water.....Ft North from Southeast Corner  
(Stream, pond etc).....Ft West from Southeast Corner  
Sec Twp Rge East West

Other (explain).....  
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

10-9-87 10-18-87 10-19-87  
Spud Date Date Reached TD Completion Date

6310'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1570 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated  
from.....feet depth to.....w/.....SX cmt  
Cement Company Name.....  
Invoice #.....

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. 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 W.G. Harris III  
Title President Date 11-13-87

Subscribed and sworn to before me this 13 day of November 1987  
Notary Public Kathleen A. Carney  
Date Commission Expires 2-23-91

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)

RECEIVED  
STATE CORPORATION COMMISSION

NOV 16 1987

Form ACO-1 (5-86)

Sec 13 Twp 33S Rge 32E

**SIDE TWO**

Operator Name ..... Harris Oil and Gas Company ..... Lease Name ..... Pinkerton Heirs ..... Well # ..... 1-13

Sec. .... 13 ..... Twp. .... 33S ..... Rge. .... 32 .....  East  West ..... County ..... Seward .....

**WELL LOG**

**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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

DST #1  
 Interval Tested: 5725' - 5801'  
 30-60-60-120  
 IF 87 Wk bl inc. slowly  
 FF 90 Wk bl dec. slowly  
 ISIP 87 Rec. 106' GCDM & 270' free gas  
 FSIP 251  
 FHH 2804

Name	Top	Bottom
Sand	0	950'
Red Bed	950'	1,053'
Sand	1,053'	1,180'
Shale	1,180'	1,583'
Shale and Lime	1,583'	1,790'
Shale	1,790'	2,340'
Shale and Lime	2,340'	2,600'
Lime and Shale	2,600'	4,165'
Shale and Lime	4,165'	4,465'
Lime and Shale	4,465'	6,310'
Rotary Total Depth		6,310'

DST #2: Interval Tested: 5812' - 5864'  
 30-60-60-120

IF 79 GTS in 5 minutes, approx 5 mcf  
 FF 53 and dec. thru test  
 ISIP 1312 Rec. 5' GCM  
 FSIP 1469  
 FHH 2866

Formation Description:

Morrow Shale	-2826
Morrow Sand	-2972
Miss Chester	-3044
St. Gen.	-3282
St. Louis	-3427

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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
Conductor	24"	16"		40'	3 1/2 yards grout		
Surface	12-1/4"	8-5/8"		1570'	DSL	400	2% cc
					Class H	150	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
TUBING RECORD				Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First Production	Producing Method						
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

**METHOD OF COMPLETION**

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  
 Conmingled