

28-21-22W

STATE CORPORATION COMMISSION OF KANSAS  
 RELEASED GAS CONSERVATION DIVISION  
 WELL COMPLETION FORM  
 ACO-1 WELL HISTORY

## DESCRIPTION OF WELL AND LEASE

MAY 21 1993

Operator: License # 04782  
 Name: Ensign Operating Co.

Address 621 17th St.Suite 1800City/State/Zip Denver, CO 80293

Purchaser: \_\_\_\_\_

Operator Contact Person: J. C. SIMMONSPhone ( 303 ) 293-9999Contractor: Name: Allen DrillingLicense: 5418Wellsite Geologist: Duane Moredock

## Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SVD ☐ SLOW ☐ Temp. Abd.☐ Gas ☐ ENHR ☐ SIGW☒ Dry ☐ Other (Core, WSV, Expl., Cathodic, etc)

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SVD☐ Plug Back ☐ PSTD☐ Commingled ☐ Docket No. \_\_\_\_\_☐ Dual Completion ☐ Docket No. \_\_\_\_\_☐ Other (SVD or Inj?) ☐ Docket No. \_\_\_\_\_

4/20/92 4/26/92 D&A 4/28/92  
 Spud Date Date Reached TD Completion Date

API NO. 15- 083-21,381County HODGEMANNE. NE. NW Sec. 28 Twp. 21S Rge. 22 ☒ W4950 Feet from S (circle one) Line of Section2970 Feet from E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:  
NE. SE NW or SW (circle one)Lease Name Powers Well # 1-28Field Name Wildcat

Producing Formation \_\_\_\_\_

Elevation: Ground 2265' KB 2277'Total Depth 4600' PSTD \_\_\_\_\_Amount of Surface Pipe Set and Cemented at 572 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ ex cat.

Drilling Fluid Management Plan  
 (Data must be collected from the Reserve Pit)

Chloride content 9000 ppm Fluid volume 2160 bblsDewatering method used Evaporation

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 Connie SmithTitle Sr. Engineering TechnicianDate 5/21/92

Subscribed and sworn to before me this 21<sup>st</sup> day of May  
 19 92.

Notary Public Janet L. CampbellDate Commission Expires 9.30-94

K.C.C. OFFICE USE ONLY	
F <input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C <input checked="" type="checkbox"/>	Wireline Log Received
C <input type="checkbox"/>	Geologist Report Received
RECEIVED DISTRICT 1 STATE CORPORATION COMMISSION SVD/Rep Plug MAY 26 1992 (Specify) CONSERVATION DIVISION WICHITA, KANSAS	

SIDE TWO

Operator Name Ensign Operating Co.Lease Name PowersWell # 1-28Sec. 28 Twp. 21S Rge. 22☐ East  
☒ WestCounty Hodgeman

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:

See attached

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

See attached

## CASING RECORD

☐ New ☐ Used

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

Purpose of String	Size Hole D-inches	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additive
Surface	12-1/4"	8-5/8"	24	572'	60/40 Poz	300	2% Gel, 3% CaCl <sub>2</sub>

## 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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SVD or Inj. D & A 4/28/92				
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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

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

RELEASED

COPY

MAY 5 1993

FORMATION TOPS No. 1-28 POWERS

G.L. 2265'  
FROM G. 2277Comparison Well  
SE SE 20-21S-22W  
K.B. 2300'Drill Time  
and SamplesWire Line  
Geophysical Logs

Tertiary

KCC

Surface +2298'

Surface +2265'

Surface +2265'

MAY 2 1 1993

Cretaceous

Cenomanian

Greenhorn-Graneros

NL

18 +2259'

18' +2259'

Albian

Dakota Gr.

NL

142' +2135'

142' +2135'

Permian

Guadalupian

White Horse

623' + 1677'

620' +1697'

620' +1697'

Leonardian

Nippewalla Gr.

802' +1498'

776' +1501'

763' +1514'

Blaine

Cedar Hills

940' +1360'

903' +1374'

913' +1364'

Sumner Gr.

Stone Corral

1477' +823'

1453' +824'

1450' +827'

Ninnescah

1510' +790'

1497' +780'

1498' +779'

Wellington

1690' +610'

1663' +614'

1665' +612'

Wolfcampian

Chase Gr.

Herington

2388' -88'

2381' -104'

2378' -101'

Krider

2412' -112'

2407' -130'

2406' -129'

Winfield

2460' -160'

2445' -168'

2442' -165'

Towanda

2531' -231'

2508' -231'

2510' -233'

Wreford

2720' -420'

2698' -421'

2692' -415'

Council Grove Gr.

2743' -443'

2724' -447'

2718' -441'

Pennsylvanian

Virgilian

Wabaunsee Gr.

3152' -853'

3133' -856'

3132' -855'

Shawnee Gr.

Topeka

3470' -1170'

3443' -1166'

3447' -1170'

Douglas Gr.

Heebner

3812' -1512'

3794' -1517'

3791' -1514'

Toronto

3830' -1530'

3813' -1536'

3806' -1529'

Missourian

Lansing-Kansas City

3864' -1564'

3845' -1568'

3842' -1565'

Stark Shale

4117' -1817'

4097' -1820'

4094' -1817'

Base Kansas City

4194' -1894'

4172' -1895'

4172' -1895'

Desmoinesian

Marmaton Gr.

4232' -1932'

4210' -1933'

4206' -1929'

Labette Shale

4376' -2076'

4362' -2085'

4362' -2085'

Cherokee Gr.

4408' -2108'

4393' -2116'

4390' -2113'

Mississippian

Osagian

4480' -2180

4461' -2184'

4462' -2185'

Kinderhookian

Gilmore City

ND

4578' -2301'

4578' -2301'

Total Depth

4522' -2222'

4600' -2323'

4600' -2323'

RECEIVED  
STATE CORPORATION COMMISSION  
MAY 26 1992  
CONSERVATION DIVISION  
Wichita, Kansas