

6-35-33W

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

Operator: License # 04782Name: Ensign Operating Co.Address P. O. Box 2161**CONFIDENTIAL**City/State/Zip Liberal, KS. 67905-2161Purchaser: None as yetOperator Contact Person: Reed WackerPhone (316) 626-8131Contractor: Name: Gabbert & Jones, Inc.License: #5842Wellsite Geologist: Duane Moredock

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.☐ Gas ☐ ENHR ☒ SIGW☐ Dry ☐ Other (Core, WSW, 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/SWD☐ Plug Back ☐ PBTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____9/22/94 10/6/94 11/9/94

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21,423County Seward C SE Sec. 6 Twp. 35S Rge. 33 X1320 Feet from SW (circle one) Line of Section1320 Feet from SW (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Schaffter Well # 1-6Field Name WildcatProducing Formation ChaseElevation: Ground 2857' KB 2870'Total Depth 6950' PBTD 2771'Amount of Surface Pipe Set and Cemented at 1640 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

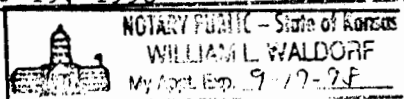
feet depth to _____ w/ _____ ex cat.

Drilling Fluid Management Plan ALT 1 J 10-20-95
(Data must be collected from the Reserve Pit)Chloride content 1800 ppm Fluid volume 5,550 bblsDeaerating method used Evaporation & BackfillLocation of fluid disposal if hauled **RELEASED**Operator Name ALL 11/17/1996Lease Name NOV 22 License No. **FROM CONFIDENTIAL**CONFIDENTIAL Quarter Sec. Twp. 3 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 Reed WackerTitle Production Supt. Date 11/22/94Subscribed and sworn to before me this 22nd day of November, 1994.Notary Public William L. WaldorfDate Commission Expires September 19, 1998

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) JS

WEE-28-3

SIDE TWO

Operator Name Ensign Operating Co.Lease Name SchaffterWell # L-6Sec. 6 Twp. 35S Rge. 33☐ East
☒ WestCounty Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests (ing 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

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

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 Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	1640'	Prem.Plus LT. 650 Class C 150	2% cc, & 1/2#/ Sx Flocc	
Production	7-7/8"	4 1/2"	10.5#	2818'	Prem.Plus LT. 150 125	1/2#/Sx F. etc	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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)	Dep
1 JSPF	2706-11'	500 Gal., 7 1/2 % MCA	2706-11'
1 JSPF	2632-36'; 2640-46'; 2664-76'	1100 Gal., 7 1/2 % MCA	2632-76'
		22,300 Gal., 28% Fe/Hcl & Nitrogen	2632-76'
TUBING RECORD			
Size 2-3/8"	Set At 2646'	Packer At NA	Liner Run ☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj. SI, WOPL		Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Grs.
		310	0

Disposition of Gas:

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

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

Production Interval

2632-2711'

(Specify)

FORMATION TOPS

Ensign Operating Co.
 No. 1-6 Schaffter
 C SE Sec. 6, T35S, R33W
 Seward County, Kansas

	G.L. 2857' K.B. 2870'	Comparison Well NE NE 6-35S-33W K.B. 2866'	Drill Time And Samples	Wire Line Logs
Tertiary		Surface +2855'	Surface +2857'	Surface +2857'
Permian				
Glaudalupian				
White Horse		716' +2150'	670' +2200'	690' +2180'
Leonardian				
Nipewalla Gr.				
Blaine		940' +1926'	920' +1950'	918' +1952'
Cedar Hills		1076' +1790'	1076' +1794'	1088' +1782'
Sumner Gr.				
Stone Corral		1559' +1307'	1572' +1298'	1570' +1300'
Ninnescah		1628' +1238'	1641' +1640'	1640' +1230'
Wellington		2142' +724'	2156' +714'	2156' +714'
Hutchinson		2202' +664'	2216' +654'	2216' +654'
Wolfcampian				
Chase Gr.				
Herington		2613' +253'	2609' +261'	2628' +242'
Kridner		2678' +188'	2677' +193'	2696' +174'
Winfield		2737' +129'	2227' +143'	2755' +115'
Towanda		2794' +72'	2786' +84'	2814' +56'
Fort Riley		2852' +14'	2831' +39'	2866' +4'
Wreford		2938' -72'	2919' -49'	2954' -84'
Council Grove Gr.		3078' -212'	3102' -232'	3091' -221'
Pennsylvanian				
Virgilian				
Wabaunsee Gr.		3496' -630'	3524' -654'	3512' -642'
Shawnee Gr.				
Douglas Gr.				
Heebner		4339' -1473'	4369' -1499'	4356' -1486'
Toronto		4356' -1490'	4385' -1515'	4374' -1504'

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G.L. 2857' K.B. 2880'	Comparison Well NE NE 6-35S-33W K.B. 2866'	Drill Time And Samples	Wire Line Logs
Missourian			
Lansing Gr.	4493' -1627'	4520' -1650'	4510' -1640'
Kansas City Gr.	4782' -1916'	4809' -1939'	4797' -1927'
Demoinesian			
Marmaton Gr.	5192' -2326'	5204' -2334'	5199' -2329'
Cherokee Gr.	3499' -2633'	5531' -2661'	5530' -2660'
Atokaian	5678' -2812'	5700' -2830'	5700' -2830'
Morrowian	5861' -2995'	5894' -3024'	5894' -3024'
L. Morrow	6140' -3274'	6164' -3294'	6160' -3290'
Chester	6177' -3311'	6201' -3331'	6199' -3329'
Orange Marker	6404' -3538'	6435' -3565'	6418' -3548'
Mississippian			
Meramecian			
Ste. Genevieve	6698' -3832'	6608' -3738'	6605' -3735'
Total Depth	6931' -4065'	6950' -4080'	6951' -4081'

6-35-33W

ORIGINAL

GABBERT-JONES, INC.
WICHITA, KANSAS

- DRILLERS' WELL LOG -

WELL NAME: Schaffter #1-6
C-SE/4 Sec 6-35S-33W
Seward County, Kansas

CONFIDENTIAL

COMMENCED: 9/22/94
COMPLETED: 10/7/94
OPERATOR: Ensign Operating Co.

DEPTH		FORMATION	REMARKS
From	To		
0	720	Sand-Clay	
720	1023	Redbed	Ran 37 jts of 24# 8 5/8"
1023	1205	Glorietta Sand	csg LD @ 1640' w/650 sks
1205	1620	Redbed	Prem Plus Lt - 1/4# Floseal
1620	1640	Anhy	2% CC - 150 sks Class C
1640	1845	Anhy-Redbed	2% CC
1845	2220	Redbed-Shale	PD @ 5:30AM 9/24/94
2220	6195	Lime-Shale	
6195	6320	Lime	Ran 63 jts of 10 1/2# 4 1/2"
6320	6535	Lime-Shale	csg LD @ 2818' w/150
6535	6600	Shale-Lime	sks Prem Plus Lt - 1/4#
6600	6770	Lime-Shale	Floseal - 125 sks Class C
6770	6845	Lime	PD @ 7:30PM 10/7/94
6845	6950	Lime-Shale	RR @ 10:00PM 10/7/94
6950	TD		

RELEASED

JAN 17 1996

FROM CONFIDENTIAL

NOV 22

CONFIDENTIAL

STATE OF KANSAS]
COUNTY OF SEDGWICK]I, the undersigned, being sworn on oath, state
that the above Drillers' Well log is true and
correct to the best of my knowledge and belief
and according to the records of this office.

GABBERT-JONES, INC.

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