

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

S

API NO. 15-175-20,929-0000
County Seward
C NE Sec 12 Twp 32S Rge 32 East X West

Operator: License # 4782
Name Ensign Operating Co.
Address 621 17th St. Suite 1140
City/State/Zip Denver, CO 80293

3960 Ft North from Southeast Corner of Section
1320 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser

Lease Name Krause Well # J-12

Operator Contact Person Larry Hartnett
Phone 303-293-9999

Field Name

Producing Formation

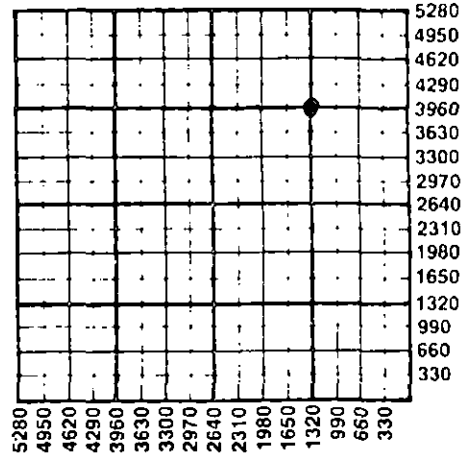
Elevation: Ground 2820' KB 2832'

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

Wellsite Geologist Duane Moredock
Phone 303-629-7204

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

Section Plat



If OWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable

Questions on this portion of the ACO-1 call:

12-11-86 12-22-86 12-22-86
Spud Date Date Reached TD Completion Date
6050'
Total Depth PBTD

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T86-404

Amount of Surface Pipe Set and Cemented at 1644 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice #

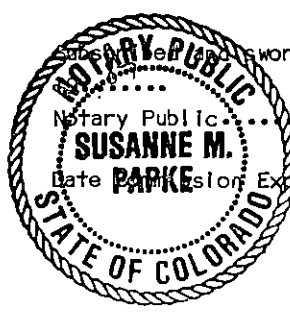
X Groundwater 3960 Ft North from Southeast Corner (Well) 1320 Ft West from Southeast Corner of Sec 12 Twp 32S Rge 32 East X West
Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West
Other (explain) (purchased from city, R.W.D. #)

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 [Signature] Title MANAGER, OPERATIONS Date 1/28/87

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)



Subscribed and sworn to before me this 28 day of January
Susanne M. Papke
Notary Public
Date of Commission Expires 12-26-90

Sec 12, Twp 32S, Rge 32E

SIDE TWO

Operator Name Ensign Operating Co. Lease Name Krause Well # 1-12

Sec. 12 Twp. 32S 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 - 4,880-4,935' (Upper Marmaton)
 30,60,60,120
 IFP 47-47, ISIP-1498
 FFP 76-86, FSIP-1498
 IHP-2381, FHP-2371
 Recovered: 90' WCM, 60' MW

Name	Top	Bottom
Red Bed and Sand	0	800'
Red Bed	800'	1,415'
Red Bed and Sand	1,415'	1,651'
Red Bed and Anhydrite	1,651'	1,805'
Red Bed	1,805'	2,295'
Shale and Lime	2,295'	2,681'
Shale and Dolomite	2,681'	2,912'
Lime and Shale	2,912'	3,075'
Dolomite, Shale and Lime	3,075'	3,337'
Lime and Shale	3,337'	6,050'
Rotary Total Depth		6,050'

DST #2 - 5,455-5,490' (Atoka) 30,60,60,120
 IFP 50-50, ISIP-110
 FFP 60-60, FSIP-190
 IHP-2613, FHP-2613
 Recovered: 175' GIP, 65' SGCM

DST #3 - 5,630-5,730' (Chester) 30,60,45,120
 IFP 105-124, ISIP-181
 FFP 143-162, FSIP-249
 IHP-2777, FHP-2708 BHT-126°
 Recovered: 130' Drilling Mud

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	32"	22"	90#	40'	6 sk cement 4 yards		
Surface	12-1/4"	8-5/8"	24#	1644'	Class. C	600	6% gel 2% cc
					Lite wt. 150		3% cc
					Lite wt. 50		3% cc
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

