

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

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

Purchaser

Operator Contact Person Lee Mossel  
Phone (303) 293-9999

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

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

WELL HISTORY

Drilling Method:  
 Mid Rotary  Air Rotary  Cable  
9-20-86 9-25-86 9-25-86  
Spud Date Date Reached TD Completion Date  
3850'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 259 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 #

API NO. 15-065-22-325  
County Graham  
C... SE... NE Sec. 27.. Twp. 7S.. Rge. 22..  East  West

3300 Ft North from Southeast Corner of Section  
600 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

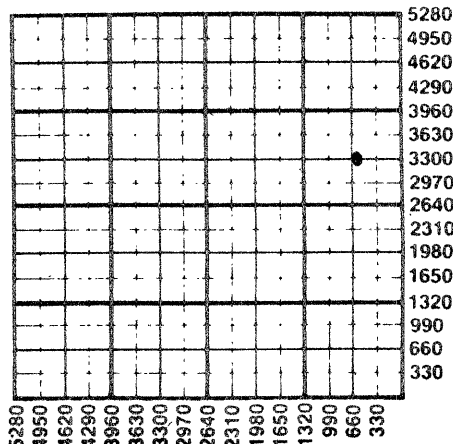
Lease Name Nichols Well # 42-JL

Field Name

Producing Formation

Elevation: Ground 2209' KB 2214'

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 #  
 Groundwater... Ft North from Southeast Corner (Well) ... Ft West from Southeast Corner of Sec Twp Rge 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. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 Jan Hartnett

Title Manager of Operations Date 11-5-86

Subscribed and sworn to before me this 5th day of November 1986

Notary Public Pracy L. Roach

Date Commission Expires July 26, 1988

621 17th St., Suite 1140  
Denver, CO 80293

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)

NOV 10 11-10-86

Sec 7 Twp. 7. Rge. 22 W

SIDE TWO

Operator Name ..... Ensign Operating Company ..... Lease Name ..... Nichols ..... Well #. 42-11.

Sec. 27 ..... Twp. 7S ..... Rge. 22 .....  East  West County ..... Graham .....

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 (3474-3515), 15-30-45-60 min.  
 Strong blow off btm. in 10 min, 2nd open strong blow off btm. in 14 min., died in both shut in's. Rec. 570' slightly gasey oil cut muddy water.  
 DST #2 (3593-3661), 15-30-30-30 min.  
 Open w/no blow, 2nd no blow, rec. 25' drl. mud.  
 DST #3 (3738-3806), 15-30-45-60 min.  
 Open w/weak blow, died in 1 min, 2nd open same, rec. 60' drl. mud.  
 Pressures:  
 DST #1: ISIP 1028, FSIP 1028, IF 92-113, FF 154-256, HYD 1728  
 DST #2: ISIP 442, FSIP 308, IF 61, FF 61, HYD 1936-1905.  
 DST #3: IFP: 51, FFP: 51, ISIP: 833, FSIP: 812, HYD: 1967.

Name	Top	Bottom
Shale and Shells	0	262'
Shale	262'	770'
Sand	770'	870'
Shale	870'	1,096'
Shale and Lime	1,096'	1,796'
Anhydrite	1,796'	1,829'
Shale and Lime	1,829'	2,214'
Shale	2,214'	2,700'
Lime and Shale	2,700'	3,255'
Shale and Lime	3,255'	3,452'
Lime and Shale	3,452'	3,515'
Shale and Lime	3,515'	3,609'
Lime and Shale	3,609'	3,850'
Rotary Total Depth		3,850'

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
Surface	12-1/4"	8-5/8"	20#	259'	60/40 Poz	175	3% cc, 2% gel
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  
 Solid  Other (Specify) .....  
 Used on Lease  Dually Completed  
 Commingled