

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 # 5107  
Name H-30, Inc.  
Address 251 N. Water, Suite 10  
City/State/Zip Wichita, KS 67202

Purchaser

Operator Contact Person Jeffrey A. Burk  
Phone 316-263-2043

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

Wellsite Geologist Jeffrey A. Burk  
Phone 316-263-2043

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
9-29-89 10-6-89  
Spud Date Date Reached TD Completion Date  
3680'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 259 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set  
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt  
Cement Company Name  
Invoice #

API NO. 15-185-22,600-0000  
County Stafford  
S/2 SE. Sec. 29. Twp. 22S. Rge. 11 East  
660 Ft North from Southeast Corner of Section  
1320 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

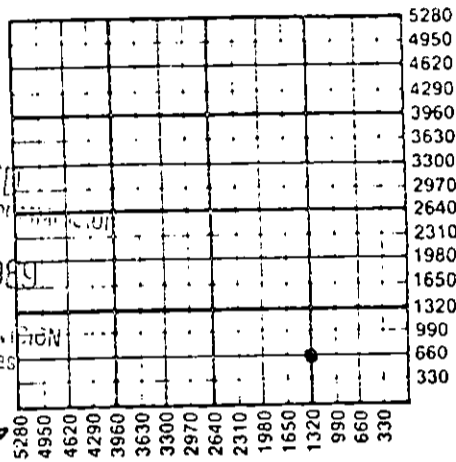
Lease Name Spangenberg Well # 1-29

Field Name Wildcat

Producing Formation

Elevation: Ground 1813' KB 1818'

Section Plat



WATER SUPPLY INFORMATION  
Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water:  
Division of Water Resources Permit # T89-382

Groundwater 660 Ft North from Southeast Corner (Well) 1320 Ft West from Southeast Corner of Sec 29 Twp 22S Rge 11 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.

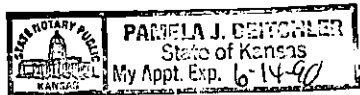
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]  
Title Exploration Manager Date 10/11/89

Subscribed and sworn to before me this 11th day of October 1989  
Notary Public Pamela J. Datchler

Date Commission Expires June 14, 1990

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)



SIDE TWO

Operator Name H-30, Inc. Lease Name Spangenberg Well # 1-29

Sec. 29 Twp. 22S Rge. 11  East  West County Stafford

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

See Attached Drilling Report

Name	Top	Bottom
Sand and Shale	0	844'
Anhydrite	844'	1,136'
Shale and Shells	1,136'	1,372'
Lime and Shale	1,372'	3,590'
Sand and Lime	3,590'	3,616'
Lime and Shale	3,616'	3,680'
Rotary Total Depth		3,680'

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 Pdz	165	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			
Size	Set At	Packer at					
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 .....  
 Commingled .....

Spangenberg #1-29  
Well Drilling Record

Page 2

## SAMPLE TOPS

Anhydrite	530	(+1288)	18' High
Base Anhydrite	555	(+1263)	
Heebner	3081	(-1263)	4' High
Toronto	3097	(-1279)	
Douglas Shale	3116	(-1298)	
Brown Lime	3220	(-1402)	
Lansing	3243	(-1425)	5' High
F zone	3317	(-1499)	
H zone	3381	(-1563)	
K zone	3445	(-1627)	
Base/ K.C.	3498	(-1680)	
Viola	3517	(-1699)	5' High
Simpson Sh.	3553	(-1735)	9' High
Simpson SS.	3570	(-1752)	2' High
Arbuckle	3629	(-1811)	5' Low
Total Depth	3680	(-1862)	

DST #6 3597-~~3616~~ 3635 ZN: Arbuckle  
 TIMES: 30-45-60-45  
 BLOW: 1st-strong blow off bottom  
 2nd-strong blow off bottom  
 REC: 180' mdy wtr w/ scum of oil  
 1200' slt wtr  
 IFP 142-304 FFP 386-700  
 ISIP 1261 FSIP 1261  
 HP 1812-1792 Temp 113  
 Chlorides 13,000 ppm

## LOG TOPS \*

Anhydrite	540	(+1278)
Base Anhydrite	560	(+1258)
Heebner	3082	(-1264)
Toronto	3100	(-1282)
Douglas	3116	(-1298)
Brown Lime	3222	(-1404)
Lansing	3246	(-1428)
F zone	3319	(-1501)
H zone	3381	(-1563)
K zone	3446	(-1628)
Base/ K.C.	3497	(-1679)
Viola	3517	(-1699)
Simpson Sh.	3554	(-1736)
Simpson SS.	3571	(-1753)
Arbuckle	3631	(-1813)
Total Depth	3682	(-1864)

\* Pipe strap @ 3323' was 2.22'  
long (downhole correction).

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STATE CORPORATE OIL COMMISSION

OCT 13 1989

CORPORATE OIL COMMISSION  
Wichita Kansas

**TIGHT HOLE  
Well Drilling Record**

Operator: H-30 Drilling Co., Inc.	Lease: SPANGENBERG #1-29
251 N. Water - Suite 10 Wichita, KS 67202	Loc: C-S/2 SE Sec. 29-22S-11W Stafford County, KS
Jeff's Mobile 316-792-8261 Unit 1222 1020 Rig #7 Phone 316-792-8261 Unit 1213 1020	Elev: 1813' GR 1818' KB PTD: 3750'
API: 15-185-22,600	Plugging 160 sx of 60/40 pozmix Info: (Duane Rankin)State Plugger
Surface: Set 8 5/8" at 258' KB w/ 160 sx 60/40 3% cc 2% gel	DST #1 3304-3323 ZN: Lansing F TIMES: 30-45-60-45
Spud: 7:00 a.m. 9/29/89	BLOW: gas to surf in 28 min. 1st-24,500 cfpd 2nd-61,900 cfpd 44,800 10 min., 44,800 20 min. 44,800 30 min., 44,800 40 min. 42,500 50 min., 42,500 60 min.
9/29/89 Spud well @ 7:00 a.m. & set 6 Friday jts (20#) @ 258' w/160 sx 60/40 Pozmix 3% cc, 2% gel Plug down @ 4:45 p.m.	REC.: 90' heavy oil & gas cut mud 30% oil, 10% gas, 40% mud 130' gas cut watery oil 70% oil, 10% water, 20% gas 110' muddy salt water w/ scum oil. Chlorides 78,000 IFP 101-111 FFP 152-172 ISIP 862 FSIP 781 HP 1620 1600 Temp 104
9/30/89 Drilling ahead @ 7:00 a.m. Sat. @ 1136'	DST #2 3386-3415 ZN: Lansing TIMES: 30-45-60-45 H & I BLOW: 1st-strong blow in 4 min. 2nd-strong blow in 1 min.
10/1/89 Drilling ahead @ 7:00 a.m. Sunday @ 2245'	REC: 60' gas in pipe, 10' of oil/gas cut mud. 30% oil, 70% mud 60' heavy oil/gas cut mud 50% oil, 30% gas, 20% mud IFP 101-101 FFP 111-111 ISIP 477 FSIP 345 HP 1681-1661 Temp 105
10/2/89 Drilling ahead @ 7:00 a.m. Monday @ 3215' (5' high to the Iannitti well--4' high to the top of the Lansing on the Iannitti well) 3' drilling break with good shows of gas and cling-free oil. Preparing to run DST #1 at 3304-23'.	DST #3 3410-3465 ZN: Lansing J TIMES: 30-45-30-45 & K BLOW: 1st-Weak blow throughout 2nd-Weak blow throughout REC: 30' oil specked drilling mud IFP 71-71 FFP 71-71 ISIP 111 FSIP 71 HP 1691-1671 Temp 108
10/3/89 Preparing for DST #2 @ 3215' Tuesday Ran DST #2-back on bottom about 3:15 p.m. Will cut J & K zones. If shows, will test again.	DST #4 3538-3590 ZN: Simpson TIMES: 30-45-60-90 1st Sand BLOW: 1st-strong blow throughout 2nd-strong blow throughout REC: 1200' GIP; 125' slightly oil and heavy gas cut mud IFP 81-81 FFP 111-111 ISIP 821 FSIP 882 HP 1762-1741 Temp 108
10/4/89 Down for repairs @ 3465' Wednesday Clutch on mud pump engine	DST # 5 3578-3616 ZN: Simpson TIMES: 30-45-60-90 2nd Sand BLOW: 1st-strong blow (5') 2nd-strong blow (9') REC: 120' GIP; 50' gcm w/ scum of oil IFP 91-91 FFP 101-101 ISIP 872 FSIP 993 HP 1792-1772 Temp 108
10/5/89 Testing @ 3590'-DST #4 Thursday Started back in hole to drill the Arbuckle @ 9:30 a.m.	
10/6/89 Finished DST #5 (Lower Simpson) Friday and drilled ahead to Arbuckle. Ran DST #6 in the Arbuckle and decided to plug well @ 8:00 p.m.	
10/7/89 Plugged well with 160 sx of Saturday 60/40 pozmix 6% gel as follows: 40 sx @ 3590' 50 sx @ 720' 40 sx @ 300' 10 sx @ 40' 10 sx in rathole Well plugged @ 2:15 a.m. State Plugger (Duane Rankin)	

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