

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

APR. NO. CONFIDENTIAL 20, 288-00-00

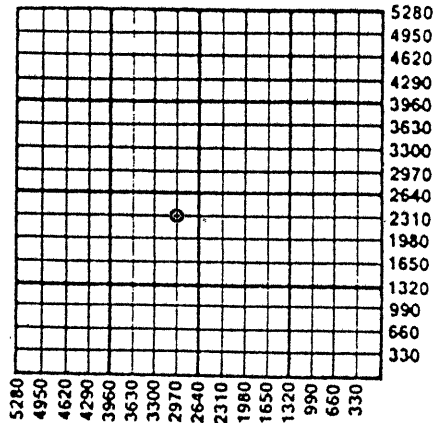
County CHEYENNE
 NE NE SW Sec. 12 Twp. 2S Rge. 42 East West X
2310 Ft. North from Southeast Corner of Section
2970 Ft. West from Southeast Corner of Section
 (NOTE: Locate well in section plat below.)
 Lease Name Emma Raile 401 Well # 12-11-1
 Field Name Wildcat
 Producing Formation Niobrara
 Elevation: Ground 3648' KB 3653'
 Total Depth 1744' PBDT 1643'

Operator: License # 30201
 Name: HILLIN-SIMON OIL COMPANY
 Address P. O. Box 1552
 City/State/Zip Midland, TX 79702
 Purchaser: _____
 Operator Contact Person: Stan Venable
 Phone (915) 682-2202
 Contractor: Name: Crandall Drilling, Inc.
 License: 30480
 Wellsite Geologist: _____

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

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

Drilling Method:
 Mud Rotary Air Rotary Cable
10-18-90 10-20-90 11-1-90
 Spud Date Date Reached TD Completion Date

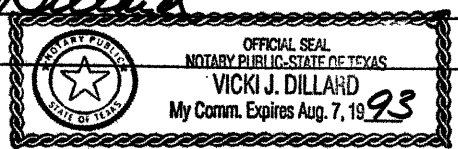


Amount of Surface Pipe Set and Cemented at 258 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set N/A Feet
 If Alternate II completion, cement circulated from N/A
 feet depth to N/A w/ N/A sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Stan Venable
 Title Staff Operations Engineer Date _____
 Subscribed and sworn to before me this 13 day of November, 1990.
 Notary Public Vicki J. Dillard
 Date Commission Expires _____



K.C.C. OFFICE USE ONLY
 F Letter of Confidentiality Attached
 C Wireline Log Received
 C Drillers Time Log Received
 Distribution:
 KCC SWD/Rep NGPA
 KGS Plug Other
 (Specify) _____
 11-15-90

SIDE TWO

Operator Name Hillin-Simon Oil Company Lease Name Emma Raile 401 Well # 12-11-1
 Sec. 12 Twp. 2S Rge. 42 East County Cheyenne
 West

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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; text-align: left;">Name</td> <td style="width:20%; text-align: center;">Top</td> <td style="width:20%; text-align: center;">Bottom</td> </tr> <tr> <td>Niobrara (Beecher Island Zone)</td> <td style="text-align: center;">1553'</td> <td style="text-align: center;">1590'</td> </tr> </table>	Name	Top	Bottom	Niobrara (Beecher Island Zone)	1553'	1590'
Name	Top	Bottom					
Niobrara (Beecher Island Zone)	1553'	1590'					

CASING RECORD <input type="checkbox"/> New <input checked="" 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	8 3/4"	7"	17	258'	Portland	35	None
Production	6 1/4"	4 1/2"	10.5	1695'	API Class "A"	70	2% CaCl2 & 2% Halad 344
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	1554'-1588'			32,000 gal 25# gelled water & 94,000 lb sand & 60 tons CO2		1554-1588'	
TUBING RECORD				Liner Run			
N/A				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
SI WOPL		<input checked="" 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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

Well is presently SI, waiting on pipeline.



JOB LEASE SUMMARY
 NOV 13 1990

Denver
 Sterling
 Emma Pauls 401
 #12-11-1
 988934
 BILLED ON TICKET NO.

FIELD: FROM CONFIDENTIAL
 REC. 12 TWP. 25 RNG. 42W COUNTY Cheyenne STATE KN
 FORMATION NAME: FROM TO
 FORMATION THICKNESS: FROM TO
 INITIAL PROD. OIL BPD. WATER BPD. GAS MCFD
 PRESENT PROD. OIL BPD. WATER BPD. GAS MCFD
 COMPLETION DATE MUD TYPE MUD WT.
 PACKER TYPE SET AT
 BOTTOM HOLE TEMP. PRESSURE
 MISC. DATA TOTAL DEPTH

CASING	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
U		11.69105	4 1/2	KB	1687	1500
TUBING						
OPEN HOLE				6 1/4	KB	1744
PERFORATIONS						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE Super Seal II	1	Howe
GUIDE SHOE		
CENTRALIZERS 3-4	6	"
BOTTOM PLUG Catchdown Bullets	1	"
TOP PLUG Catchdown 3-W	1	"
HEAD Plug Container	1	"
PACKER Plug Container	1	"
OTHER	10	"

MATERIALS

TREAT FLUID: DENSITY LB/GAL-API
 DISPL. FLUID: DENSITY LB/GAL-API
 PROP. TYPE: SIZE LB.
 ACID TYPE: GAL. %
 SURFACTANT TYPE: GAL. IN.
 NE AGENT TYPE: GAL. IN.
 FLUID LOSS ADD. TYPE: GAL.-LB. IN.
 GELLING AGENT TYPE: GAL.-LB. IN.
 FRIC. RED. AGENT TYPE: GAL.-LB. IN.
 BREAKER TYPE: GAL.-LB. IN.
 BLOCKING AGENT TYPE: GAL.-LB.
 PERFPAC BALLS TYPE: QTY.
 OTHER: 500 gal. methyl flash 4 gal. Clafix II

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 10-19-90 TIME 1830	DATE 10-19-90 TIME 2300	DATE 10-20-90 TIME 0114	DATE 10-20-90 TIME 0200

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
R. Knudson	4807 Pump P	Sterling
J. Webb	39876 P/W	"
J. Brady	1455 Bulk	Brighton

DEPARTMENT: Cement
 DESCRIPTION OF JOB: Cement w/ Production casing
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE: X Billy Richey
 HALLIBURTON OPERATOR: John W. Webb
 COPIES REQUESTED: 1

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	70	Premium	BIK	2% CaCl ₂	12% H ₂ O	344	1.15
							15.8

PRESSURES IN PSI
 CIRCULATING: 200
 BREAKDOWN: 1500
 AVERAGE: _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 ORDERED: _____ AVAILABLE _____ USED _____
 TREATING: 5
 FEET: 40

HYDRAULIC HORSEPOWER
 AVERAGE RATES IN BPM: _____
 CEMENT LEFT IN PIPE: _____
 REASON: S.J.

SUMMARY
 PRES LUSH: BBL-GAL 20
 LOAD & BKDN: BBL-GAL 12
 TREATMENT: BBL-GAL 12
 CEMENT SLURRY: BBL-GAL 12
 TOTAL VOLUME: BBL-GAL 12
 VOLUMES: 12
 REMARKS: See Job Log
 DATE: NOV 15 1990

CUSTOMER: HILLMAN-21100A
 LEASE: Emma Pauls
 WELL NO: 12-11-1
 JOB TYPE: 4 1/2 Prod. Log
 DATE: 10-20-90

