

* AMENDED

SIDE ONE

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

Operator: License # 5208
Name MOBIL OIL CORPORATION
Address P.O. BOX 5444

City/State/Zip DENVER, COLORADO 80217

Purchaser NORTHERN NATURAL GAS
2223 DODGE ST.
OMAHA, NEB. 68102

Operator Contact Person B. R. MAYNARD
Phone (303) 298-2069

Contractor: License # 5141
Name ZENITH DRILLING CORP.

Wellsite Geologist J.M. BAUMAN
Phone (303) 298-3706

Designate Type of Completion
 New Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp
 Dry Other (Core, Water Supply, etc.)

If OWND: old well info as follows;
Operator _____
Well Name _____
Comp. Date _____

RECEIVED
STATE CORPORATION COMMISSION
MAR 17 1989

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
2-7-88 2-10-88 3-20-88
Spud Date Date Reached TD Completion Date

2860' 2846'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 684 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- 189-21148-00-00

COUNTY STEVENS

SE NW NW Sec 28 Twp 33S Rge 38 East West

4037.1 Ft North from Southeast Corner of Section
4037.2 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name LANDER #1 UNIT WELL # 3

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3187 KB 3198

SECTION PLAT

CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # NA Repressuring

Questions on this portion of ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit# NA

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 OF HUGOTON
(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 from with all temporarily abandoned wells.

All requirements of 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 B. R. Maynard B. R. MAYNARD

Title REGULATORY COMPLIANCE MANAGER Date 3-13-89

Subscribed and sworn to before me this 13th day of March
1989

Notary Public George George

Date Commission Expires 1/3/91

K.C.C. OFFICE USE ONLY		
<input type="checkbox"/>	Letter of Confidentiality Attached	
<input type="checkbox"/>	Wireline Log Received	
<input type="checkbox"/>	Drillers Timelog Received	
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input checked="" type="checkbox"/>	IGS	<input type="checkbox"/> Plug
		<input checked="" type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)
<u>3-17-89</u>		

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name LANDER #1 UNIT Well # 3

Sec 28 Twp 33S Rge 38 East West County STEVENS

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.

<p>Drill Stem Tests Taken <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</p> <p>TOTAL SHOTS PER INTERVAL</p> <table style="width: 100%;"> <tr> <th style="width: 50%;">INTERVAL</th> <th style="width: 50%;">COUNT</th> </tr> <tr> <td>2534'-2544'</td> <td>3</td> </tr> <tr> <td>2544'-2560'</td> <td>3</td> </tr> <tr> <td>2560'-2594'</td> <td>7</td> </tr> <tr> <td>2595'-2605'</td> <td>1</td> </tr> <tr> <td>2605'-2644'</td> <td>7</td> </tr> <tr> <td>2671'-2724'</td> <td>6</td> </tr> <tr> <td>2731'-2762'</td> <td>4</td> </tr> <tr> <td>2790'-2794'</td> <td>2</td> </tr> <tr> <td>2819'-2829'</td> <td>5</td> </tr> </table> <p>FRA'D W/117,600 GALS 30# XL GEL W/275,000# 12/20 SAND. FLUSHED W/2500 GALS 2% KCL.</p>	INTERVAL	COUNT	2534'-2544'	3	2544'-2560'	3	2560'-2594'	7	2595'-2605'	1	2605'-2644'	7	2671'-2724'	6	2731'-2762'	4	2790'-2794'	2	2819'-2829'	5	<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%;"> <thead> <tr> <th style="width: 60%;">Name</th> <th style="width: 20%;">Top</th> <th style="width: 20%;">Bottom</th> </tr> </thead> <tbody> <tr><td>GLORIETTA</td><td>1193'</td><td></td></tr> <tr><td>STONE CORRAL</td><td>1653'</td><td></td></tr> <tr><td>CHASE</td><td>2511'</td><td></td></tr> <tr><td>PADDOCK</td><td>2522'</td><td></td></tr> <tr><td>U. KRIDER</td><td>2534'</td><td></td></tr> <tr><td>L. KRIDER</td><td>2560'</td><td></td></tr> <tr><td>ODELL</td><td>2596'</td><td></td></tr> <tr><td>WINFIELD</td><td>2606'</td><td></td></tr> <tr><td>GAGE</td><td>2651'</td><td></td></tr> <tr><td>TOWANDA</td><td>2671'</td><td></td></tr> <tr><td>FT. RILEY</td><td>2731'</td><td></td></tr> <tr><td>COUNCIL GROVE</td><td>2844'</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	GLORIETTA	1193'		STONE CORRAL	1653'		CHASE	2511'		PADDOCK	2522'		U. KRIDER	2534'		L. KRIDER	2560'		ODELL	2596'		WINFIELD	2606'		GAGE	2651'		TOWANDA	2671'		FT. RILEY	2731'		COUNCIL GROVE	2844'	
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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"	24#	684'	CL H LITE	210 SX	65:35:6 +3% CACL2
					CL H	155 SX	+3% CACL2
Production	7-7/8"	5-1/2"	14#	2860'	CL H	235 SX	65:35:6 +.6% HALAD-9
					CL H	130 SX	50:50:2 +2% CACL2
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
	PLEASE SEE ABOVE			2534'-2794' ACDZ W/INH 15% FeHCL 50 GALS PER FOOT			2534'-
				AT 3 BPM, FLSH W/25 BBLs 2% KCL WTR. 2819'-2829'			2829' OA
				ACDZ W/INH 15% FeHCL 100 GALS PER FOOT AT 3 BPM,			
				FLSH W/25 BBLs 2% KCL WTR. SEE FRAC ABOVE			
TUBING RECORD		Size NONE	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Production	Producing Method						
9-7-88	<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	Gas	Water	Gas-Oil Ratio	Gravity		
	0 Bbls	1350 MCF					

METHOD OF COMPLETION

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) _____
 Used on Lease Dually Completed
 Conningled

Production Interval
2534'-2829' OA

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
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Designate Type of Completion
XX New ___ Re-Entry ___ Workover

___ Oil ___ SMD ___ Teap Abd
XX Gas ___ Inj ___ Delayed Comp.
___ Dry ___ Other (Core, Water Supply, etc.)
If OMMO: old well info as follows;
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Well Name _____
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Drilling Method:
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2-7-88 2-10-88 3-20-88
Spud Date Date Reached TD Completion Date

2860' 2846'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 684 feet
Multiple Stage Cementing Collar Used? ___ Yes XX No
If yes, show depth set _____ feet
If alternate 2 completion, cement circulated
from _____ feet depth to _____ w/ _____ SX cat
Cement Company Name _____
Invoice # _____

API No. 15- 189-21148
COUNTY STEVENS
SE NW NW Sec 28 Twp 33S Rge 38 X East West
4037.1 Ft North from Southeast Corner of Section
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(Note: Locate well in section plat below)

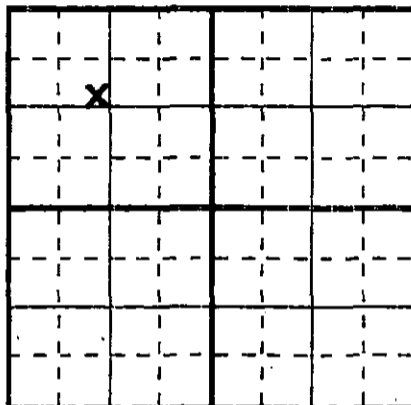
Lease Name LANDER #1 UNIT WELL # 3

Field Name HUGOTON Infill

Producing Formation CHASE

Elevation: Ground 3187 KB 3198

SECTION PLAT



WATER SUPPLY INFORMATION

Disposition of Produced Water: ___ Disposal
Docket # NA ___ Repressuring

Questions on this portion of ACO-1 call:
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Source of Water:
Division of Water Resources Permit# NA

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Signature B.R. Maynard B. R. MAYNARD
Title REGULATORY COMPLIANCE MANAGER Date 6-3-88

Subscribed and sworn to before me this 3rd day of June
1988
Notary Public George George
Date Commission Expires 1/3/91

RECEIVED
STATE CORPORATION COMMISSION Distribution
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
 KCC ___ SMD/Rep ___ NGPA
 KGS ___ Plug ___ Other
(Specify)
6-6-88

SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name LANDER #1 UNIT Well # 3

Sec 28 Twp 33S Rge 3B XX East
XX West County STEVENS

WELL LOG

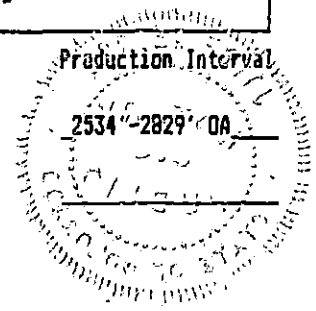
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TUBING RECORD		Size NONE	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First Production WAITING ON PIPELINE		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio		Gravity
		0 Bbls	1350 MCF	Bbls	CFPB		

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) _____
 Used on Lease Dually Completed

METHOD OF COMPLETION
 Coningled



OPERATOR: MOBIL OIL CORPORATION
FIELD: KS HUGOTON COUNTY: STEVENS
WELL: LANDER 1 UT 3 SECTION: 28-33S-38W
API NO. 1518921148

DATE	REMARKS
----	-----
88 FEB 07	SPUD WELL; DRILLED FROM 0' TO 684' CIRC AND COND HOLE FOR CSG DROP SURVEY TOH TO RUN SURFACE CASING RU TRI-STATE CSG; RUN 8-5/8" CSG; SET AT 684
88 FEB 08	INSTALL CEMENT HEAD & CIRC CEMENT 8-5/8" CSG CUT OFF CSG; WELD ON WELLHEAD NU BOP TIH W/BIT #2 TEST HYDRIL TO 1000 PSI-OK DRILLING CEMENT & PLUG; INSERT DRILLED FROM 684' TO 1654' (TOP OF STONE CORRAL); LOST SURVEYED TOH W/BIT #2; TIH W/BIT #3 DRILLED FROM 1654' TO 1663'; LOST RETURNS AT 1663'; COULD POH TO SURFACE CSG; REGAIN CIRC; TIH DRILLED FROM 1663' TO 2337'
88 FEB 09	DISPLACE HOLE AT 2337' DRILLED FROM 2337' TO 2455' SURVEYED TOH W/BIT #3 CONTINUE TOH W/BIT #3; TIH W/BIT #4; WASH 30' TO BOTTOM DRILLED FROM 2455' TO 2860' (TD) CIRC FOR LOGS DROP SURVEY TOH FOR LOGS; RIH OPEN ENDED W/4 STDS DC & 12 STDS DP; RU WELEX; LOG; RUN DIGL/SP/GR; DSN/SDL/GR/CAL/MICROLOG
88 FEB 10	TIH; BREAK CIRC AT 1100'; TIH TO BOTTOM CIRC TO RUN CASING LD DP & DC RU TRI-STATE CASERS; RUN 5-1/2" CSG; SET AT 2860' RU HALLIBURTON CEMENT HEAD & CIRC HOLE CEMENT 5-1/2" CAS ND BOP; SET SLIPS; CUT OFF 5-1/2" CSG CLEAN PITS; RELEASED RIG

RECEIVED
STATE CORPORATION COMMISSION

JUN - 6 1988

CONSERVATION DIVISION
Wichita, Kansas