

ORIGINAL

KCC

NOV 0 6

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

API NO. 15- 189-21,508 - 00-00

County STEVENS **CONFIDENTIAL**

NW NE Sec. 12 Twp. 32S Rge. 35 X East West

4604 Ft. North from Southeast Corner of Section

1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name COMBES-NIPPLE UNIT Well # 1

Field Name LARRABEE

Producing Formation MORROW

Elevation: Ground 2884.4 KB 2900

Total Depth 6350 PBDT 6218

Operator: License # 5208

Name: MOBIL OIL CORPORATION

Address 2319 NORTH KANSAS

City/State/Zip LIBERAL, KS 67901

Purchaser: SPOT MARKET

Operator Contact Person: RAE KELLY

Phone (316) 626-1160

Contractor: Name: UNIT DRILLING & EXPLORATION CO.

License: 9137

Wellsite Geologist: J. M. RICHEY

Designate Type of Completion
 New Well Re-Entry Workover NOV 12 1991

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

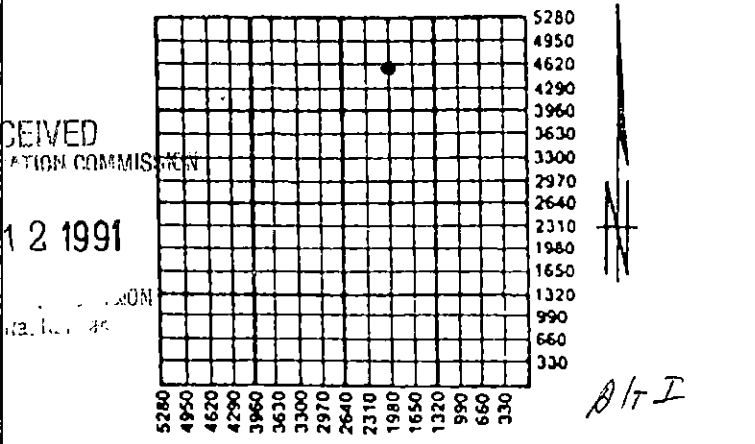
If OWM: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

7/26/91 8/2/91 10/4/91
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 1676 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3170 NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA 6x 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-1 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 R. Kelly
Title ENGINEERING TECHNICIAN **FROM CONFIDENTIAL**
Date 11-7-91

Subscribed and sworn to before me this 7th day of November, 1991.

Notary Public Sharon A. Cook

Date Commission Expires 10-1-94



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)

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ORIGINAL
SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name COMBS-NIPPLE UNIT Well # 1
 Sec. 12 Twp. 32S Rge. 35 East West
 County STEVENS

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	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table style="width: 100%; border-collapse: collapse;"> <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>CHASE</td><td>2510</td><td></td></tr> <tr><td>COUNCIL GROVE</td><td>2852</td><td></td></tr> <tr><td>ADMIRE</td><td>3115</td><td></td></tr> <tr><td>HEEBNER</td><td>4049</td><td></td></tr> <tr><td>KANSAS CITY</td><td>4448</td><td></td></tr> <tr><td>MARMATON</td><td>4878</td><td></td></tr> <tr><td>CHEROKEE</td><td>5073</td><td></td></tr> <tr><td>MORROW</td><td>5468</td><td></td></tr> <tr><td>CHESTER</td><td>5663</td><td></td></tr> <tr><td>ST. GENEVIEVE</td><td>6046</td><td></td></tr> <tr><td>ST. LOUIS</td><td>6210</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	CHASE	2510		COUNCIL GROVE	2852		ADMIRE	3115		HEEBNER	4049		KANSAS CITY	4448		MARMATON	4878		CHEROKEE	5073		MORROW	5468		CHESTER	5663		ST. GENEVIEVE	6046		ST. LOUIS	6210	
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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																																					

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 CASING	12.250	8.625	24#	1676	CL C LITE	625	+2% GEL+3%CC
					CL C	200	+3% CC
PRODUCING CASING	7.875	5.500	17#	6260	CL H	565	50:50:2
					CL H	730	50:50:2
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used) Depth			
4 SPF	5530 - 5539			NA			
TUBING RECORD							
Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
2 3/8	5489	5489					
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
W/O CONNECTION							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Bbls.	Water (Gals.)	Gas-Oil Ratio	Gravity		
		500					

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 5530 - 5539

WILLIAMS BROTHERS COMPANY
 2700 DEARBORN ST.
 CHICAGO, ILL. 60640

ORIGINAL

MOBIL OIL CORPORATION DENVER DIVISION
PRIMARY CASING CEMENTING JOB REPORT

KCC

NOV 06

WELL NAME Combes-Nipple #1 LOCATION _____ COUNTY Stevens STATE KS **CONFIDENTIAL**

WELL DEPTH 1678 BIT SIZE 12 1/4 AVG. CALIPER HOLE SIZE _____ MAX. DEVIATION 1 3/4 MUD TYPE gel

MUD WT. _____ VIS _____ PV/YP 1 API WL _____ LAST CSG. SIZE, WT., DEPTH 16 @ 80'

CASING DATA (list weights/grades in order run)

SIZE	WEIGHT	GRADE	CONN.	NO. JTS.	LENGTH
<u>8 5/8</u>	<u>24</u>	<u>K-55</u>	<u>ST-1C</u>	<u>38</u>	<u>1677</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

SETTING DEPTH: 1677 SHOE JOINT LENGTH: 46-48 DV TOOL DEPTH: _____

RUNNING SPEED/JT., LAST 1/3 SIRING 20 FULL RETURNS RUNNING CSG? yes TIME TO INSTALL HEAD 5
TIME CIRC. BEFORE CEMENTING 15 CIRC. PRESS. 0 at 300 rpm.

PICK UP WEIGHT _____ SLACK OFF WEIGHT _____ CASING LANDING WT. LESS HOOK, BLOCK LOAD: _____
CEMENTING AIDS (No., type, and location of centralizers, scratchers, baskets, DV tools, etc.)

Texas pattern Guide shoe, insert 1st up, Cent. Bottom 2 gts, every 3 rs (4)

REMARKS (unusual hole conditions - fill, drag, lost circ. etc.) None

CEMENT DATA:

Stage #	Lead/Tail	Class	Additives	Yield	Water Req.	# Sacks	Slurry Wt.
<u>1</u>	<u>L</u>	<u>C</u>	<u>Pace Setter L.C. Premium + 2% gel + 3% CaCl2</u>	<u>1199</u>	<u>11</u>	<u>125</u>	<u>12.4</u>
_____	<u>T</u>	<u>C</u>	<u>3% CaCl2</u>	<u>1133</u>	<u>6.3</u>	<u>200</u>	<u>14.8</u>

	1ST STAGE	2ND STAGE	3RD STAGE
Calc Cement Tot	<u>Surface</u>		
Preflush Type & Amount	<u>120 H2O</u>		
Bottom Plug?	<u>NO</u>		
Top Plug?	<u>yes</u>		
Washed Up Lines To Displace?	<u>NO</u>		
Type & Amount Of Displacement	<u>104 Water</u>		
Flow Resin (turb, laminar, plug)	<u>lam</u>		
Cement Mix Time	<u>38</u>		
Displacement Time	<u>22</u>		
Full Circ? (if not, describe below)*	<u>yes</u>		
Max Press Before Plug Bumped	<u>700</u>		
Press Plug Bumped At	<u>1300</u>		
Time Plug Down	<u>20:30</u>		
Pipe Worked Recip. Or Rotate	<u>Recip</u>		
Cement Returns To Surf? Volume?	<u>yes 30T</u>		
Floats Held?	<u>yes</u>		

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Wichita, Kansas

CEMENTING COMPANY Western RATING (1 bad - 10 excellent) 9

* REMARKS ON LOST CIRC. WHILE CEMENTING, JOB PERFORMANCE, ETC.: _____

OSCAR LAUREL 7/26/91
DRILLING SUPERVISOR DATE

NOV 0 6

CONFIDENTIAL

Lease: COMBES-NIPPLE UT WELL 1 Well #: 1 Well ID: 0025692
Field: LARRABEE State: KS County: STEVENS
API #: 15-189-00000-00 Ppty ID: 1372501 OCSG #:

=====
Cementing Job Information
=====

Date: 07/26/1991 Starting Time: 19:15 Ending Time: 20:30

Cementing Company: WESTERN District: PERRYTON, TX

Cementing Company Rating (1 to 10, 10 = Best): 9

Was top plug dropped? Y
Was bottom plug dropped? N
Did plug bump? Y
Was there full circulation while pumping? Y
Amount of cement returns to surface: 1 Bbls
Did floats hold? Y
Flow regime: LAMINAR

Was the pipe reciprocated before cementing? Y
Was the pipe reciprocated during cementing? Y
Was the pipe rotated before cementing? N
Was the pipe rotated during cementing? N
If pipe was rotated, Type of rotation equipment:
Torque on rotated pipe: ft/lbs
Rotation Speed: RPM

Job Remarks:

=====
Stage Information
=====

Stage No.: 1

Casing O.D.: 8.625 In.
Hole Size: 12.250 In.
Estimated Top of Cement for this stage: 0 Ft.
Estimated Bottom of Cement for this stage: 1678 Ft.
Time to mix and pump this stage: 60 (Hr:Min)
Average Pump Rate: 4.0 BPM
Maximum Pump Pressure: 700 PSIG
Foam Cement? N

Lead Composition: CLASS 'C' PACESETTER LITE PREMIUM + 2% GEL + 3% CACL
Tail Composition: CLASS 'C' + 3% CACL2

	Lead ----	Tail ----
No. of Sacks	625	200
Slurry Yields (CuFt/Sk)	1.99	1.33
Slurry Density (Ppg)	12.4	14.8
Slurry Volume (Bbl)		
Mix Water Amount (Gal/SK)	11.00	6.30
Mix Water Type	FRESH	FRESH
Thickening Time (Hr:Min)		
12-Hr Compressive Strength (PSI)		
24-Hr Compressive Strength (PSI)		
Compressive Strength Test Temperature (F)	80	
Fluid Loss (cc)	800	800
Free Water (cc)	1.0	0.5

=====
Flush Information
=====

	Density (PPG)	Volume (Bbls)	Description -----
Preflush	8.3	20.0	H2O
Flush			
Postflush			
Displacement			

Displacement Rate: 4.0 BPM

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Lease: COMBES-NIPPLE UT WELL 1 Well #: 1 Well ID: 0025692

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Stage Remarks:

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Wichita, Kansas

MSD991

*** PRISM ***
Primary Cementing Report

Page 1

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NOV 0 6

CONFIDENTIAL

Lease: COMBES-NIPPLE UT WELL 1 Well #: 1 Well ID: 0025692
Field: LARRABEE State: KS County: STEVENS
API #: 15-189-00000-00 Ppty ID: 1372501 OCSG #:

=====
Cementing Job Information
=====

Date: 08/04/1991 Starting Time: 11:45 Ending Time: 15:15

Cementing Company: WESTERN District: PERRYTON

Cementing Company Rating (1 to 10, 10 = Best): 9

Was top plug dropped? Y
Was bottom plug dropped? N
Did plug bump? Y
Was there full circulation while pumping? Y
Amount of cement returns to surface: 0 Bbls
Did floats hold? Y
Flow regime: Laminar

Was the pipe reciprocated before cementing? N
Was the pipe reciprocated during cementing? N
Was the pipe rotated before cementing? N
Was the pipe rotated during cementing? N
If pipe was rotated, Type of rotation equipment:
Torque on rotated pipe: ft/lbs
Rotation Speed: RPM

Job Remarks:

=====
Stage Information
=====

Stage No.: 1

Casing O.D.: 5.500 In.
Hole Size: ~~4.750 In.~~ 7.875
Estimated Top of Cement for this stage: 4500 Ft.
Estimated Bottom of Cement for this stage: 6260 Ft.
Time to mix and pump this stage: (Hr:Min)
Average Pump Rate: 5.0 BPM
Maximum Pump Pressure: 1300 PSIG
Foam Cement?

Lead Composition: CLASS "H" POZ W/ 50:50:2
Tail Composition:

	Lead	Tail
	----	----
No. of Sacks	565	
Slurry Yields (CuFt/Sk)	1.26	
Slurry Density (Ppg)	14.2	
Slurry Volume (Bbl)	3250.0	
Mix Water Amount (Gal/SK)	5.75	
Mix Water Type	FRESH	
Thickening Time (Hr:Min)		
12-Hr Compressive Strength (PSI)		
24-Hr Compressive Strength (PSI)		
Compressive Strength Test Temperature (F)	105	
Fluid Loss (cc)	950	
Free Water (cc)	1.0	

=====
Flush Information
=====

Density (PPG)	Volume (Bbls)	Description
-----	-----	RELEASED

Preflush
Flush
Postflush
Displacement

Displacement Rate: 29.0 BPM

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Wichita, Kansas

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NOV 0 6

Lease: COMBES-NIPPLE UT WELL 1 Well #: 1 Well ID: 0025692

ORIGINAL CONFIDENTIAL

Stage Remarks:

Stage No.: 2

Casing O.D.: 5.500 In.
Hole Size: 5.500 in. 7.875
Estimated Top of Cement for this stage: 1467 Ft.
Estimated Bottom of Cement for this stage: 3170 Ft.
Time to mix and pump this stage: (Hr:Min)
Average Pump Rate: 5.0 BPM
Maximum Pump Pressure: 1000 PSIG
Foam Cement?

Lead Composition: CLASS H POZ W/ 50:50:2 + 2% GEL
Tail Composition:

Table with 3 columns: Property, Lead, Tail. Rows include No. of Sacks, Slurry Yields, Slurry Density, Slurry Volume, Mix Water Amount, etc.

Flush Information

Table with 3 columns: Density (PPG), Volume (Bbls), Description. Rows include Preflush, Flush, Postflush, Displacement, Displacement Rate: 14.0 BPM.

Stage Remarks:

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