ORIGINAL CONFIDENTIAL SED.

API NO. 15- 189-21464-0000

FLA 1 5 1692

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

MELL COMPLETION FORM	County STEVENS
ACO-1 MELL HISTORY DESCRIPTION OF WELL AND LEASE	AP C W2 Sec. 1 Tup. 32S Rge. 37 X West
Operator: License #5208	
Name: MOBIL OIL CORPORATION	3960 Ft. West from Southeast Corner of Section
Address 2319 NORTH KANSAS	(NOTE: Locate well in section plat below.)
,	Lease Name BROWER UNIT Well # 3
City/State/Zip LIBERAL, KS 67901	Field Name WILDCAT
Purchaser: SPOT MARKET	Producing Formation DRY
Operator Contact Person: RAE KELLY	Elevation: Ground 3120 Kg 3136
Phone (316) 626-1160	Total Depth 6450 PBTD NA
Contractor: Name: UNIT DRILLING & EXPLORATION CO.	9580 4950 4620
License: 9137	4290 3960 3630
Wellsite Geologist: P. H. WEAVERLING	3630 3300 2970
Designate Type of Completion X New Well Re-Entry Workover	7-91-12310
Oil SWD Temp. Abd. FF	7 1991
Gas Inj Delayed Comp Other (Core, Water Supply, etc.)	1
If OWWD: old well info as follows: Operator:	AITE OXA
Well Name:	Amount of Surface Pipe Set and Cemented at 1824 Feet
Comp. DateOld Total Depth	Multiple Stage Cementing Collar Used? Yes X No
Drilling Method:XMud Rotary Air Rotary Cable	If yes, show depth setNA Feet
01/06/91 01/14/91 P&A'D 1/15/91	If Alternate II completion, cement circulated from NA
Spud Date	feet depth to NA w/ NA sx cmt.
Derby Building, Wichita, Kansas 67202, within 120 days 82-3-106 apply. Information on side two of this form will twriting and submitted with the form. See rule 82-3-1 wireline logs and drillers time log shall be ottached with t	and filed with the Kansas Corporation Commission, 200 Colorado of the spud date of any well. Rule 82-3-130, 82-3-107 and be held confidential for a period of 12 months if requested in 107 for confidentiality in excess of 12 months. One copy of all this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP 4 Il temporarily abandoned wells. Any recompletion, workover or was from commencement date of such work.
All requirements of the statutes, rules and regulations promule with and the statements herein are complete and correct to the	lgated to regulate the oil and gas industry have been fully complied the best of my knowledge.
Signature R. Kelly	K.C.C. OFFICE USE ONLY F
Title ENGINEERING TECHNICIAN Date 2	-5-9/ C Vireline Log Received
Subscribed and sworn to before me this 5th day of Tele 19 71.	Distribution KCC SWD/Rep NGPA
Notary Public 6 styl M. Y bemann	KGS Plug Other (Specify)
Date Commission Expires	

ESTHER M. NIEMANN NOTARY PUBLIC STATE OF KANSAS

Form ACO-1 (7-89)

CONFIDENTIAL ...

SIDE TWO

Operator Name MOBIL	OIL CORPORA	TION	<u>-</u>	_ Lease Name	BROWER	UNIT	Well #	3
		☐ East		County STE	EVENS		_	
Sec. 1 Twp. 325	Rge. <u>37</u>	X West						
INSTRUCTIONS: Show interval tested, time hydrostatic pressures if more space is need.	me tool open a s, bottom hole	nd closed, flow temperature, flu	ing and	shut-in pres	sures, wheth	er shut-in pro	essure read	ched static level,
Drili Stem Tests Tak (Attach Additiona		X Yes .	lo			Formation Desc	ription	_
Samples Sent to Geol	ogical Survey	⊠ Yes □ N				⊠ _{Log} □	Sample	
Cores Taken		☐ Yes ☒ N	lo	Name		Тор	Bott	от
Electric Log Run (Submit Copy.)		⊠ _{Yes} □ N	io	CHASE COUNCIL GRO ADMIRE LANSING KANSAS CITY MARMATON CHEROKEE MORROW CHESTER ST. GENEVIE ST. LOUIS	′	2629 2946 3260 4232 4596 4938 5154 5590 5970 6120 6257		
	Report a	CASING RE		New Us		production, et	c.	
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D	' 1	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE CASING	12.250"	8.6	525"	24#	1824'	CL C LITE	540	65:35:6+3%CA
	 			-		CL C	310	+2% CACL
Shots Per Foot	PERFORATION Specify Footag	RECORD ge of Each Inter	val Per	forated		Fracture, Shot, d Kind of Mater		Depth
	Pi	LUGGED & ABAN	NDONED					
TUBING RECORD	Size NA	Set At NA	5	Packer At NA	Liner Run	☐ _{Yes} 🛚	Мо	
Pate of First Product P&A'D 1-15-91	ction Producir	ng Method Flow	ring 🗆 ş	Pumping Ga	s Lift 🗆 (Other (Explain)	DRY	
Estimated Production Per 24 Hours	n Oit	8bls. Gas	:	Mcf Water	Bbls.	Gas-Oil	Ratio	Gravity
Disposition of Gas:			METHO	O OF COMPLETION			F	Production Interval
Vented Sold (If vented, sub		_	,	le Perfor	etion 🗆 p	Oually Complete	d Comm	ingled
					-		<u></u>	<u> </u>

MSD991

PRISM

Primary Cementing Report

Lease: BROWER UNIT

Field: OUTPOST API #: 15-189-

-00

Well #: 003

State: KS

Ppty ID: 1335300

Well ID: 0018712

County: STEVENS

OCSG #:

FEB n 5 1992

FROM CONFIDENTIAL

Date: 01/07/1991

Starting Time: 07:45

Ending Time: 08:58

Cementing Company: HALLIBURTON

District: OKLAHOMA CITY, OK

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

Was top plug dropped? Y Was bottom plug dropped?

Did plug bump? Y

Was there full circulation while pumping? Y Amount of cement returns to surface:

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:

Rotation Speed:

ft/lbs

Job Remarks: HALLIBURTON PUMPED JOB RE DESIGN W/NO PROBLEMS

second se

Stage No.: 1

Casing O.D.: 8.625 In. Hole Size: 12.250 In.

Estimated Top of Cement for this stage:

0 Ft. 1824 Ft.

Estimated Bottom of Cement for this stage:

Time to mix and pump this stage: 41 (Hr:Min)

Average Pump Rate: 6.5 BPM

Maximum Pump Pressure:

650 PSIG

Foam Cement? N

Lead Composition: CLASS C LITE 65:35:6 + 3% CACL

Tail Composition: CLASS C + 2% CACL

	Lead	Tail
No. of Sacks	540	310
Slurry Yields (CuFt/Sk)	1.99	1.33
Slurry Density (Ppg)	12.4	14.8

MSD991

********** Primary Cementing Rep

Lease: BROWER UNIT

Well #: 003

Well ID: 0018712

COMENIAMINE

Slurry Volume (Bbl)

191.0

Mix Water Amount (Gal/SK)

10.97

73.0 6.32

Mix Water Type

FRESH

FRESH

FEB 9 5 692

Thickening Time (Hr:Min)

12-Hr Compressive Strength (PSI)

24-Hr Compressive Strength (PSI)

Compressive Strength Test Temperature (F)

Fluid Loss (cc)

Free Water (cc)

FROM CONFIDENTIAL

Density Volume Description

(Bbls) (PPG)

1

Preflush Flush

Postflush

Displacement

Displacement Rate: 5.0 BPM

Stage Remarks:

Report Generated on: 01/27/91 @

08:44

End of Report..... ******************

TRILOBITE TESTING COMPANY ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

RELEASED

Drill-Stem Test Data

TEB 9 5 1952

ARE 15-189-	21464	Telli lest D		TANFIDENTIA
Well Name & No. BRC	WER UNIT 1#3	Test No	1	
Company MOBIL DI	L CORPORATION_		_ Zone Tested <u>L L WR M</u>	IORROW
	•		Elevation 3136_KB	
		-	Est. Ft. of Pay	
1 ·				- 1
Location; sec				
interval Tested	5905-5986	Drill Pipe Size	4.5"XH	
Anchor Length			1" Bottom Choke	-¼" <u></u>
Top Packer Depth	5900	_	7/8" Rubber Size —	· 6 ⁵ / ₄ "
Bottom Packer Depth	5905		– 2.7 Ft. Run	
Total Depth		Drill Collar —	2.25 Ft. Run 780	
			47 Filtrate	12.0
=			OWLY BUILT TO 2"	
	BI:BLED OFF BLOW			
			TEADY THROUGHOUT	
	BLOW-NO RETURN		Flush Tool? NC	
Recovery — Total Feet	Feet of DRILLING		Flush Tool?NL	
	Feet of			
			F Corrected Gravity	O0API
			ery Chlorides 1100	
(A) Initial Hydrostatic Mud	2799.6	PSI Ak1 Recorder No	13309 Range_	4700
(B) First initial Flow Pressui	re71.3	PSI @(depth)	5910 w/Clock No	<u> 27567 </u>
(C) First Final Flow Pressure	71.3	PSI AK1 Recorder No	<u> 13339</u>	4025
(D) Initial Shut-In Pressure_	151.6	PSI @(depth)	5981 w/Clock No	30418_
(E) Second Initial Flow Pres	sure71_3	PSI AK1 Recorder No	O Range	<u> </u>
(F) Second Final Flow Press	sure71.3	PSI @ (depth)	O w/Clock No	0
(G) Final Shut-In Pressure _		PSI initiai Opening	<u> 15 </u>	
(H) Final Hydrostatic Mud_	2780.6	PSi initial Shut-in	30	
		Final Flow		•
,		Final Shut-in	120	

MR ROD STEINBRINK

1200 .

Our Representative_

TOTAL PRICE \$ __

DST# / RECORDER# 13309

This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2810	2799.6	PSI
(B) First Initial Flow Pressure	, 72	· 71.3	PSI
(C) First Final Flow Pressure	72	71.3	PSI
(D) Initial Closed-in Pressure	145	151.6	PSI
(E) Second Initial Flow Pressure	. 72	71.3	PSI
	72 '	71.3	
(F) Second Final Flow Pressure	166	170.5	PSI
(G) Final Closed-In Pressure	2781	2780.6	PSI
(H) Final Hydrostatic Mud			PSI

TRILOBITE TESTING COMPANY ORIGINAL

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA



						- 27	:L
Ticket No	3019		Date1/1	3/91			•
	MOBIL OIL CORPORAT						
Lease	BROWER UNIT (#3		Test No1_				
	STEVENS						-
	SAMPLER RECOVERY	•		PIT MU	ANALY	SIS	
Gas O C	u.ft. o	ML	Chlorides	1100			ppm
OII							
Mud	4000	ML *	Viscosity	47			
Water							
Other	o	ML	Filtrate	12.0			
	100						
	4000						
	SAMPLER ANALYSIS			PIPE P	ECOVER	l Y	
Resistivity	2.993 70 ohma@	F	TOP			•	
	2000			0	ohms @_	<u>_</u> 0	=
				0			
Gravity	Ocorrec	ted @ 80 F				,	
	•		MIDDLE				•
			Resistivity	0	ohma@_	0	F
	•		Chlorides	0			ppm.
	,	•	воттом				
			Resistivity	2.93	ohms @ _	70	F
			Chlorides	2000			nnm

TRILOBITE TESTING COMPANY P.O. Box 362 • Hays, Kansas 67601 TEST TICKET

CONFIDENTIAL

Nο

3019

Well Name & No. Brower Unit #3 Test No.	Date 1 · 13 · 91
company Mobil Oil Corporation zone To	ested Lower Morrow
Address 2319 North Kansas Liberal KS. 67901 Elevation	on 3136 (KB)
co. Rep. / Geo. Jay Cunningham cont. Unit #19	Est. Ft. of Pay
Location: Sec. 1 Twp. 32 S Rge. 37 W co. St	evens state KS.
No. of Copies Distribution Sheet Yes No Turnkey	YesXNo
	1/2" XH
Anchor Length	Bottom Choke — ¾"
Top Packer Depth 5900 Hole Size - 77/8"	Rubber Size — 6 ^{3/} 4"
Bottom Packer Depth 59 05 Wt. Plpe I.D. — 2.7 Ft. Run	
	780'
Mud Wt. 9.0 lb/gal. Viscosity 47	
Tool Open @Initial Blow Surface blow slowly"	built to 5" throughout.
ISI: Bled off blow - no return.	
Final Blow Surface blow @ 1/2" in bucket stayed st	eady throughout.
FSI: Bled off How - no return.	
	DOI?
Rec Feet of	
Rec. 90' Feet of Orly, Mud	
Don Foot of	
Rec Feet of	
Rec, Feet of	
Rec.	
Rec.	cted Gravity^API
Rec. Feet of BHT 136 °F Gravity °API@ °F Correction RW 2.93 @ 70 °F Chlorides 2,000 ppm Recovery Chlorides	cted Gravity ^API rides ppm System
Rec. Feet of Rec. Feet of BHT 136 °F Gravity °API@ °F Correct RW 2.93 @ 70 °F Chlorides 2.00 ppm Recovery Chlorides (A) Initial Hydrostatic Mud 2810 2781 PSI AK1 Recorder No. 1330°	ridesPAPI Range4700
RecFeet of	cted Gravity ^API rides !_!DD ppm System A Range 4 100 w/Clock No 27567
Rec. Feet of Peet of P	cted Gravity^API rides
Rec. Feet of	cted Gravity ^API rides
RecFeet of	cted Gravity ^API rides, IDD ppm System A Range
Rec. Feet of BHT 136 °F Gravity °API@ °F Correct RW 2.93 @ 70 °F Chlorides 2.000 ppm Recovery Chlorides (A) Initial Hydrostatic Mud 2810 2781 PSI Ak1 Recorder No. 133.09 (B) First Initial Flow Pressure 72 58 PSI @ (depth) 5910 (C) First Final Flow Pressure 72 58 PSI @ (depth) 5981 (D) Initial Shut-in Pressure 145 129 PSI @ (depth) 5981 (E) Second Initial Flow Pressure 72 58 PSI Ak1 Recorder No. 5981 (F) Second Final Flow Pressure 72 58 PSI @ (depth) 5981	cted Gravity ^API rides
Rec. Feet of BHT 136 °F Gravity °API@ °F Correct RW 2.93 @ 70° °F Chlorides 2 000 ppm Recovery Chlorides (A) Initial Hydrostatic Mud 2810 2781 PSI Ak1 Recorder No. 1330° (B) First Initial Flow Pressure 72 58 PSI @ (depth) 5910 (C) First Final Flow Pressure 72 58 PSI @ (depth) 5981 (D) Initial Shut-in Pressure 145 129 PSI @ (depth) 5981 (E) Second Final Flow Pressure 72 58 PSI @ (depth) 5981 (G) Final Shut-in Pressure 166 153 PSI Initial Opening 15	cted Gravity ^API rides
Rec. Feet of BHT 136 °F Gravity °API® °F Correct RW 2.93 ® 70° °F Chiorides 2.000 ppm Recovery Chio (A) Initial Hydrostatic Mud 2810 2781 PSI Ak1 Recorder No. 13309 (B) First Initial Flow Pressure 72 58 PSI @ (depth) 5910 (C) First Final Flow Pressure 145 29 PSI @ (depth) 5981 (D) Initial Shut-in Pressure 145 29 PSI @ (depth) 5981 (E) Second Initial Flow Pressure 72 58 PSI AK1 Recorder No. 169 Second Final Flow Pressure 72 58 PSI @ (depth) 5981 (F) Second Final Flow Pressure 72 58 PSI @ (depth) 159 PSI PSI PSI @ (depth) 159 PSI PSI PSI PSI @ (depth) 159 PSI PSI PSI PSI PSI @ (depth) 159 PSI	cted Gravity
Rec. Feet of BHT 136 °F Gravity °API@ °F Correct RW 2.93 @ 70 °F Chlorides 200 ppm Recovery Chlorides (A) Initial Hydrostatic Mud 2810 2781 psi Ak1 Recorder No. 1330° (B) First Initial Flow Pressure 72 58 psi Q(depth) 5910 (C) First Final Flow Pressure 145 129 psi Q(depth) 5981 (D) Initial Shut-in Pressure 145 129 psi Q(depth) 5981 (E) Second Final Flow Pressure 72 58 psi Q(depth) 5981 (G) Final Shut-in Pressure 166 153 psi Initial Opening 15 (H) Final Hydrostatic Mud 2781 2746 psi Initial Shut-in 30	cted Gravity
RecFeet of	cted Gravity
RecFeet of	cted Gravity
Rec. Feet of Rec. Feet of BHT 136 °F Gravity °API® °F Correct RW 2.93 ® 70° °F Chlorides 2000 ppm Recovery Chlorides 1330° (A) Initial Hydrostatic Mud 2810 2781 psi Ak1 Recorder No. 1330° (B) First Initial Flow Pressure 72 58 psi @ (depth) 5910 (C) First Final Flow Pressure 145 129 psi @ (depth) 5981 (E) Second Initial Flow Pressure 72 58 psi @ (depth) 5981 (E) Second Final Flow Pressure 72 58 psi @ (depth) 5981 (G) Final Shut-In Pressure 166 153 psi Initial Opening 15 (H) Final Hydrostatic Mud 2781 2746 psi Initial Shut-In 30 Black White Final Flow 60 Final Shut-In 120	cted Gravity
Rec. Feet of Rec. Feet of BHT 136 °F Gravity °API® °F Correct RW 2.93 ® 70° °F Chlorides 2000 ppm Recovery Chlorides 1330° (A) Initial Hydrostatic Mud 2810 2781 psi Ak1 Recorder No. 1330° (B) First Initial Flow Pressure 72 58 psi @ (depth) 5910 (C) First Final Flow Pressure 145 129 psi @ (depth) 5981 (E) Second Initial Flow Pressure 72 58 psi @ (depth) 5981 (E) Second Final Flow Pressure 72 58 psi @ (depth) 5981 (G) Final Shut-In Pressure 166 153 psi Initial Opening 15 (H) Final Hydrostatic Mud 2781 2746 psi Initial Shut-In 30 Black White Final Flow 60 Final Shut-In 120	cted Gravity