

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

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173

2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905-2173

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Norseman Drilling Inc.

License: 3779

Wellsite Geologist: L. J. Reimer

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10-9-97 10-12-97 11-14-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 189-222050000

County Stevens

SE NW NE Sec. 8 Twp. 32 Rge. 36 X W E

1253 Feet from S/W (circle one) Line of Section

1561 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Lambert #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3076 KB 3085

Total Depth 2989 PBTD 2946

Amount of Surface Pipe Set and Cemented at 596 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

Drilling Fluid Management Plan Alt. 1, 5-1-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid volume 250 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name \_\_\_\_\_ License No. 5208

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report 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.

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 Sharon A. Cook Sharon A. Cook

Title Regulatory Assistant Date 1-14-98

Subscribed and sworn to before me this 14th day of January 1998.

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001  
8-3.kcc

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
RECEIVED		
STATE CORPORATION COMMISSION		
1-15-98		
JAN 19 1998		
Distribution		
<input type="checkbox"/>	SWD/Rep	NGPA
<input type="checkbox"/>	Plug	Other
(Specify)		



CONSERVATION DIVISION  
Wichita, Kansas

Form ACO-1 (7-91)

ORIGINAL

Operator Name Mobil Oil Corporation Lease Name Lambert #1 Unit Well # 3  
 Sec. 8 Twp. 32 Rge. 36  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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run:  
 NO LOGS RUN

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum

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#	596	Class C Class C	200 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2979	Class C Class C	200 100	3% D79 2% B28

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	2608-13	Acid: 1,000 gals 7.5% HCL	
	2672-82	Fract: 37,000 gals WF130 in 70q foam	
	2722-32	97,000 lbs 16/30 sand	
	2772-82		

TUBING RECORD Size Set At Packer At Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 11-13-97 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		209			

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled 2608

Production Interval  Other (Specify) 2782

STEVENS COUNTY, ND  
 REGISTRATION NO. 123456789  
 DATE 11-13-97

**CEMENTING SERVICE REPORT**

Schlumberger  
Dowell

TREATMENT NUMBER: 22351  
DATE: 10-10-97  
ST: 415583 DISTRICT: KS

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. *Wamba, 11-3*  
 LOCATION (LEGAL) \_\_\_\_\_  
 FIELD-POOL *Huston*  
 FORMATION \_\_\_\_\_  
 COUNTY/PARISH *Stevens* STATE *KS* API. NO. \_\_\_\_\_

RIG NAME: *Norsman 4*  
 WELL DATA: BOTTOM TOP  
 BIT SIZE *12.25* CSG/Liner Size \_\_\_\_\_  
 TOTAL DEPTH *606* WEIGHT *34* *24*  
 ROT  CABLE FOOTAGE *596* *596*  
 MUD TYPE *Bar* GRADE *K55* *K55*  
 BHST  BHCT THREAD *8.2* *8.2*  
 MUD DENSITY *9* LESS FOOTAGE SHOE JOINT(S) *43* TOTAL \_\_\_\_\_  
 MUD VISC. Disp. Capacity *35*

NAME *Mobil Oil*  
 AND \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 ZIP CODE \_\_\_\_\_

**ORIGINAL**

SPECIAL INSTRUCTIONS  
*Cement Surface*

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE		Stage Tool	TYPE	
	DEPTH	<i>555</i>		DEPTH	
SHOE	TYPE		Stage Tool	TYPE	
	DEPTH	<i>42</i>		DEPTH	

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE \_\_\_\_\_ PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>) \_\_\_\_\_  
 PRESSURE LIMIT \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI  
 ROTATE \_\_\_\_\_ RPM RECIPROCATE \_\_\_\_\_ FT No. of Centralizers \_\_\_\_\_

Head & Plugs  TBG  D.P. SQUEEZE JOB  
 Double  WEIGHT  TYPE  
 Single  GRADE  DEPTH  
 Swage  THREAD TAIL PIPE: SIZE DEPTH  
 Knockoff  NEW  USED TUBING VOLUME \_\_\_\_\_ Bbls  
 TOP  R  W DEPTH \_\_\_\_\_ CASING VOL. BELOW TOOL \_\_\_\_\_ Bbls  
 BOT  R  W DEPTH \_\_\_\_\_ TOTAL \_\_\_\_\_ Bbls  
 ANNUAL VOLUME \_\_\_\_\_ Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
<i>01:45</i>								PRE-JOB SAFETY MEETING			
<i>01:46</i>		<i>100</i>	<i>25</i>	<i>25</i>	<i>5.5</i>	<i>H2O</i>	<i>8.3</i>	<i>Start bumping 25 ahead</i>			
<i>01:49</i>		<i>174</i>	<i>5</i>	<i>30</i>	<i>5.5</i>	<i>L</i>	<i>12.4</i>	<i>Start lead</i>			
<i>01:54</i>		<i>192</i>	<i>26</i>	<i>56</i>	<i>5.5</i>	<i>L</i>	<i>12.8</i>	<i>Lead</i>			
<i>01:60</i>		<i>130</i>	<i>31</i>	<i>87</i>	<i>5.5</i>	<i>L</i>	<i>13.0</i>	<i>Lead</i>			
<i>02:00</i>		<i>136</i>	<i>4</i>	<i>91</i>	<i>5.5</i>	<i>T</i>	<i>14.5</i>	<i>Start Tail</i>			
<i>02:05</i>		<i>180</i>	<i>21</i>	<i>112</i>	<i>5.5</i>	<i>T</i>	<i>14.4</i>	<i>Tail</i>			
<i>02:08</i>		<i>105</i>	<i>18</i>	<i>130</i>	<i>0</i>	<i>D</i>	<i>8.3</i>	<i>Start Shut Down</i>			
<i>02:08</i>		<i>105</i>	<i>18</i>	<i>130</i>	<i>0</i>	<i>D</i>	<i>8.3</i>	<i>Drop plug</i>			
<i>02:08</i>		<i>105</i>	<i>18</i>	<i>130</i>	<i>0</i>	<i>D</i>	<i>8.3</i>	<i>Start displacement</i>			
<i>02:11</i>		<i>193</i>	<i>14</i>	<i>144</i>	<i>5.0</i>	<i>D</i>	<i>8.3</i>	<i>Displace</i>			
<i>02:13</i>		<i>245</i>	<i>9</i>	<i>153</i>	<i>5.0</i>			<i>Displace</i>			
<i>02:14</i>		<i>220</i>	<i>5</i>	<i>158</i>	<i>2</i>			<i>30 sec Lower rate 2 bbl/min</i>			
<i>02:17</i>		<i>600</i>	<i>4</i>	<i>162</i>	<i>2</i>			<i>Bump plug</i>			
<i>02:19</i>								<i>Shut Head in</i>			
<i>02:21</i>								<i>End Job</i>			

REMARKS \_\_\_\_\_

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS					SLURRY MIXED	
								BBLs	DENSITY
<i>1.</i>	<i>200</i>	<i>1.87</i>	<i>50/50 102K + 68 D20 + 38 51 + 58 D44 (Bump) 25 #/K</i>					<i>67</i>	<i>12.8</i>
<i>2.</i>	<i>150</i>	<i>1.22</i>	<i>50/50 102K + 2.5 2 51 + .25 #/K D28</i>					<i>32.5</i>	<i>14.5</i>
<i>3.</i>									
<i>4.</i>									
<i>5.</i>									
<i>6.</i>									

RECEIVED  
STATE CORPORATION COMMISSION  
JAN 15 1998

BREAKDOWN FLUID TYPE \_\_\_\_\_ VOLUME \_\_\_\_\_ DENSITY \_\_\_\_\_ PRESSURE MAX. *600* MIN. *100*  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO *10* Bbls  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. *36* Bbls TYPE OF WELL  OIL  STORAGE  BRINE WATER  
 GAS  INJECTION  WILDCAT  
 Washed Thru Perfs  YES  NO TO \_\_\_\_\_ FT. MEASURED DISPLACEMENT  WIRELINE \_\_\_\_\_  
 PERFORATIONS \_\_\_\_\_ CUSTOMER REPRESENTATIVE *Marvin Harvey* DS SUPERVISOR *JH Decker*

Schlumberger

Dowell

# Cementing Service Report

Customer	MOBIL OIL CORP V390600757A	Job Number	20023332
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Well		Location (legal)		Dowell Location		Service Date	
LAMBERT UNIT #1 3		sec 8-32S-36W		Ulysses, KS		10/2/97	
Field		Formation Name/Type		Deviation		Well TVD	
HUGOTON		Dolomite		0 °		2,989 ft	
County		State/Province		BHP		Porosity Gradient	
Stevens		KS		0 psi		0 psi/ft	
Rig Name		Drilled For		Service Via		Casing/Liner	
NORSEMAN 4		Gas		Land		Depth, ft	
Water Depth		Well Class		Well Type		Size, In	
		101		Development		Weight, lb/ft	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Grade	
Bentonite		9.3 lb/gal		0 cp		Thread	
Service Line		Job Type					
Cementing		Cem Prod Casing					
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Wellhead Connection		Perforations/Open Hole	
1500 psi		0 psi		Single cement head		Top, ft	
Service Instructions						Bottom, ft	
Cement and equipment to safely cement 5 1/2 casing as per customer's request. Loc #63123 Acc. Code 4903 I.D. MTHARVEY Field Est. \$6599.43  <div style="font-size: 2em; font-weight: bold; text-align: center;">ORIGINAL</div>						spf	
						No. of Shots	
						Total Interval	
						Diameter	
						0 in	
				Treat Down		Displacement	
				Casing		71.6 bbl	
				Packer Type		Packer Depth	
						0 ft	
				Tubing Vol.		Casing Vol.	
				0 bbl		72.7 bbl	
				Annular Vol.		Open Hole Vol	
				0 bbl		0 bbl	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure: 560 psi				Shoe Type: Guide		Squeeze Type	
Pipo Rotated <input type="checkbox"/>		Pipo Reciprocated <input type="checkbox"/>		Shoe Depth: 2979 ft		Tool Type:	
No. Centralizers: 10		Top Plugs: 1		Bottom Plugs: 0		Stage Tool Type	
Cement Head Type: Single				Stage Tool Depth: 0 ft		Tool Depth: 0 ft	
Job Scheduled For: 10/12/97 4:00		Arrived on Location: 10/12/97 3:45		Leave Location:		Tail Pipe Size: 0 in	
						Collar Type: Auto-Fill	
						Collar Depth: 2933 ft	
						Sqz Total Vol: 0 bbl	

Time	CumVol	Density	Pressure U1	TotFlowrate				Message
24 hr clock	bbl	ppg	psi	bpm				
8:05	0	0	0	0	0	0	0	START ACQUISITION
8:05	0	8.506	-9.146	0	0	0	0	
8:05	0	0	0	0	0	0	0	Pressure Test Lines
8:06	.2265	8.506	1672	1487E-5	0	0	0	
8:06	0	0	0	0	0	0	0	Bleed Off Pressure
8:06	.2329	8.497	1969	2841E-8	0	0	0	[CumVol]=.2329 bbl
8:06	0	0	0	0	0	0	0	Reset Volume
8:06	0	0	0	0	0	0	0	Start Pumping Water
8:07	1206E-9	8.498	77.6	1924E-13	0	0	0	
8:08	1206E-9	8.459	-3.13	1304E-18	0	0	0	
8:09	3.227	8.344	279.6	5.592	0	0	0	
8:09	7.445	8.4	277	5.599	0	0	0	
8:10	11.66	8.399	273.6	5.583	0	0	0	
8:11	15.89	8.352	274	5.585	0	0	0	
8:12	20.11	8.468	271.4	5.634	0	0	0	
8:12	24.33	8.545	289.5	5.592	0	0	0	
8:13	0	0	0	0	0	0	0	[CumVol]=25.56 bbl
8:13	0	0	0	0	0	0	0	Reset Volume
8:13	0	0	0	0	0	0	0	Start Mixing Lead Slurry
8:13	2.905	12.17	346.6	5.593	0	0	0	
8:14	7.123	11.62	311.1	5.599	0	0	0	

FLANN 1 5 1998

CONCRETE DIVISION

Well		Field			Service Date		Customer		Job Number
LAMBERT UNIT #1 #3		HUGOTON			10/2/97		MOBIL OIL CORP V39050079		20023332
Time	CumVol	Density	Pressure U1	TotFlowrate					Message
24-hr clock	bbl	ppg	psi	bpm					
8:15	11.34	11.56	279.3	5.583	0	0	0		
8:15	15.57	11.65	254.1	5.594	0	0	0		
8:16	19.79	11.63	233.2	5.592	0	0	0		
8:17	24.01	11.56	205.4	5.598	0	0	0		
8:18	28.22	11.54	181.7	5.59	0	0	0		
8:18	32.45	11.53	160.4	5.592	0	0	0		
8:19	36.67	11.51	137.6	5.592	0	0	0		
8:20	40.88	11.6	129.6	5.592	0	0	0		
8:21	45.11	11.74	129.3	5.59	0	0	0		
8:21	49.33	11.73	129.9	5.592	0	0	0		
8:22	53.54	11.74	130.1	5.592	0	0	0		
8:23	57.77	11.75	129.5	5.594	0	0	0		
8:24	61.99	11.69	126.5	5.59	0	0	0		
8:24	66.21	11.68	126.3	5.592	0	0	0		
8:25	70.43	11.72	123.9	5.592	0	0	0		
8:26	74.65	11.67	126.2	5.593	0	0	0		
8:27	78.87	11.65	122.7	5.59	0	0	0		
8:27	83.09	11.63	116.9	5.592	0	0	0		
8:28	87.31	11.61	116.5	5.593	0	0	0		
8:29	91.52	11.71	116.5	5.596	0	0	0		
8:30	95.74	11.68	114.3	5.59	0	0	0		
8:30	0	0	0	0	0	0	0		[CumVol]=98.36 bbl
8:30	0	0	0	0	0	0	0		Reset Volume
8:30	0	0	0	0	0	0	0		Start Mixing Tail Slurry
8:30	1.5	11.91	107.3	5.592	0	0	0		
8:31	5.727	14.73	204.1	5.592	0	0	0		
8:32	9.941	14.82	214.4	5.596	0	0	0		
8:33	14.16	14.94	212.3	5.586	0	0	0		
8:33	18.39	14.87	205.2	5.592	0	0	0		
8:34	22.6	14.74	190.6	5.592	0	0	0		
8:35	0	0	0	0	0	0	0		Shutdown
8:35	26.25	14.12	13.18	5.779	0	0	0		
8:35	0	0	0	0	0	0	0		[CumVol]=26.28 bbl
8:35	0	0	0	0	0	0	0		Reset Volume
8:39	8734E-7	8.693	-21.57	1566E-10	0	0	0		
8:39	0	0	0	0	0	0	0		Drop Top Plug
8:39	0	0	0	0	0	0	0		Start Displacement
8:40	8735E-7	8.629	-19.44	8143E-16	0	0	0		
8:40	3.687	8.61	59.24	5.711	0	0	0		
8:41	7.982	8.566	54.6	5.711	0	0	0		
8:42	12.28	8.521	57.14	5.717	0	0	0		
8:43	16.57	8.566	58.35	5.709	0	0	0		
8:43	20.93	8.628	60.86	5.707	0	0	0		
8:44	25.24	8.629	62.73	5.711	0	0	0		
8:45	29.55	8.63	57.54	5.71	0	0	0		
8:46	33.87	8.629	97.02	5.716	0	0	0		
8:46	38.17	8.678	140.9	5.717	0	0	0		
8:47	42.48	8.665	173.6	5.707	0	0	0		
8:48	46.77	8.704	214.9	5.596	0	0	0		
8:48	0	0	0	0	0	0	0		Lower Pump Rate
8:49	49.96	8.783	192.6	3.35	0	0	0		
8:49	52.47	8.812	244.5	3.298	0	0	0		
8:50	54.25	8.811	245.5	1.968	0	0	0		

ORIGINAL

REGISTRATION  
STATE CORPORATION COMMISSION

JAN 5 1998

CO. S. P. V. T. I. P. I. S. I. O. N.  
W. H. S. I. C. S. S. S.

Well		Field			Service Date		Customer		Job Number	
LAMBERT UNIT #1 #3		HUGOTON			10/2/97		MOBIL OIL CORP V39050079		20023332	
Time	CumVol	Density	Pressure U1	TotFlowrate				Message		
24 hr clock	bbl	ppg	psi	bpm						
8:51	55.31	8.64	255.6	1.206	0	0	0			
8:52	56.21	8.587	272.7	1.189	0	0	0			
8:52	57.1	8.568	295.1	1.156	0	0	0			
8:53	57.96	8.733	309	1.14	0	0	0			
8:54	58.81	8.758	331.3	1.117	0	0	0			
8:55	59.64	8.762	347	1.091	0	0	0			
8:56	60.46	8.741	358.1	1.073	0	0	0			
8:56	61.88	8.703	398	1.976	0	0	0			
8:57	63.36	8.758	427.9	1.961	0	0	0	ORIGINAL		
8:58	64.84	8.78	453.6	1.949	0	0	0			
8:59	66.31	8.72	479.2	1.944	0	0	0			
8:59	67.76	8.722	504.4	1.916	0	0	0			
9:00	69.21	8.745	524.1	1.911	0	0	0			
9:00	0	0	0	0	0	0	0	Psi. check		
9:01	70.65	8.691	554.4	1.893	0	0	0			
9:02	0	0	0	0	0	0	0	Bump Top Plug		
9:02	71.54	8.567	1183	9679E-6	0	0	0			
9:02	0	0	0	0	0	0	0	Bleed Off Pressure		
9:02	71.54	8.488	779.6	6557E-11	0	0	0			
9:03	0	0	0	0	0	0	0	End Job		

**Post Job Summary**

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4	0	0	5.7	123	0	26	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to Breakdown	Type	Volume	Density	
560	1180	150	0		0 bbl	0 lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	<input type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To		bbl		
0 %	0 bbl	70.7 bbl	To		0 ft		
Customer or Authorized Representative			Dowell Supervisor		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Marvin Harvey			Charley King				

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STATE COMMISSION

JAN 15 1998

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