

SIDE ONE

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

Operator: License # 5558
Name: Dawson-Markwell Exploration Co.
Address 3620 N.W. 58th
Oklahoma City, OK 73112
City/State/Zip
Purchaser: Texaco Trading
Operator Contact Person: Ed Markwell
Phone (405) 947-2587

Contractor: Name: Lobo Drilling Company
License: 5864
Wellsite Geologist: Jim Craig

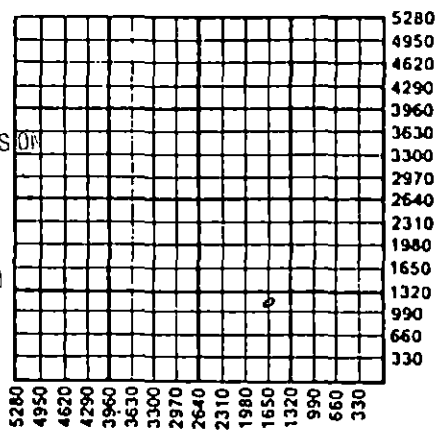
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

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

Drilling Method:
 Mud Rotary Air Rotary Cable
7-29-91 08-04-91 9-20-91
Spud Date Date Reached TD Completion Date

API NO. 15- 185-22,786.0000
County Stafford
N/2 NE SW SE Sec. 31 Twp. 21 Rge. 11 East West
1155 Ft. North from Southeast Corner of Section
1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Fischer Well # 1
Field Name Max
Producing Formation Conglomerate
Elevation: Ground 1755 KB 1764
Total Depth 3650 PBDT 3597

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STATE CORPORATION COMMISSION
SEP 26 1991



Amount of Surface Pipe Set and Cemented at 268' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ 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 [Handwritten Signature]
Title President Date 9-24-91
Subscribed and sworn to before me this 24th day of September, 19 91.
Notary Public Christie Hall
Date Commission Expires 11/19/94

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)

SIDE TWO

Operator Name Dawson-Markwell Exploration Lease Name Fischer Well # 1
 Sec. 31 Twp. 21 Rge. 11 East County Stafford 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td align="center"><input checked="" type="checkbox"/> Log</td> <td align="center"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> <tr> <td>Anhydrite</td> <td align="center">517</td> <td align="center">538</td> </tr> <tr> <td>Heebner</td> <td align="center">3022</td> <td align="center">3028</td> </tr> <tr> <td>Brown Lime</td> <td align="center">3153</td> <td align="center">3160</td> </tr> <tr> <td>Lansing KC</td> <td align="center">3181</td> <td align="center">3408</td> </tr> <tr> <td>Conglomerate</td> <td align="center">3430</td> <td align="center">3480</td> </tr> <tr> <td>Viola</td> <td align="center">3482</td> <td align="center">3522</td> </tr> <tr> <td>Simpson Shale</td> <td align="center">3522</td> <td align="center">3540</td> </tr> <tr> <td>Simpson Sand Zone</td> <td align="center">3540</td> <td align="center">3550</td> </tr> <tr> <td>Arbuckle Dolomite</td> <td align="center">3564</td> <td align="center">3650 T.D.</td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Anhydrite	517	538	Heebner	3022	3028	Brown Lime	3153	3160	Lansing KC	3181	3408	Conglomerate	3430	3480	Viola	3482	3522	Simpson Shale	3522	3540	Simpson Sand Zone	3540	3550	Arbuckle Dolomite	3564	3650 T.D.
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CASING RECORD New 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"	23#	268'	60/40poz	170	2% gel 3% cc.
Production	7-7/8"	5 1/2"	14#	3597'	40/60poz	150	10% salt .75

Hallie
322

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3472-78	500 Gals. OSA acid	
		20,000 Gals. My-T-Gel	
		20,000 # Sand	

TUBING RECORD Size 2" EUE Set At 3437' Packer At _____ Liner Run Yes No

Date of First Production 9-6-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>40</u> Bbls.	Gas <u>---</u> Mcf	Water <u>38</u> Bbls.	Gas-Oil Ratio	Gravity <u>39</u>
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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 3472-78



WESTERN TESTING CO., INC.
FORMATION TESTING
 15.185.72786.0000

ORIGINAL
TICKET No 18309

P. O. BOX 1599 PHONE (316) 262-5861
 WICHITA, KANSAS 67201

Elevation 1764 LB Formation conglomerate Eff. Pay. Ft.

District PRATT Date 8-4-91 Customer Order No.

COMPANY NAME Dawson-Maxwell Exploration Inc
 ADDRESS 3620 N.W. 58th St OKlahoma City, OK 73112

LEASE AND WELL NO. Fischer 1 COUNTY STAFFORD STATE KANSAS Sec. 31 Twp. 21 Rge. 11W

Mail Invoice To Same Co. Name Address No. Copies Requested Req

Mail Charts To Same Co. Name Address No. Copies Requested Req

Formation Test No. 1 Interval Tested From 3420 ft. to 3500 ft. Total Depth 3450 ft.
 Packer Depth 3415 ft. Size 6 5/8 in. Packer Depth 3500 ft. Size 6 5/8 in.
 Packer Depth 3420 ft. Size 6 5/8 in. Packer Depth 3505 ft. Size 6 5/8 in.
 Depth of Selective Zone Set

Top Recorder Depth (Inside) 3423 ft. Recorder Number 1051 Cap 4250
 Bottom Recorder Depth (Outside) 3426 ft. Recorder Number 4332 Cap 4200
 Below Straddle Recorder Depth 3647 ft. Recorder Number 13263 Cap 4400

Drilling Contractor Kofoe Drilling Drill Collar Length NC I. D. in.
 Mud Type Stough Viscosity 140 Weight Pipe Length 577 I. D. 2.5 in.
 Weight 9.2 Water Loss 8.9 cc. Drill Pipe Length 2823 I. D. 3.2 in.
 Chlorides 51.000 P.P.M. Test Tool Length 20 ft. Tool Size 7/16 in.
 Jars: Make NC Serial Number Anchor Length 50 (2-12) Size 4 1/2 x 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 1/2 in. Tool Joint Size 4 1/2 XH in.

Blow: Wear to a bunch blow on initial flow
1 1/2 inch flow on final flow

Recovered ft. of
 Recovered 357 ft. of Slightly oil & gas with mud 20% gas 3% oil 77% mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Chlorides P.P.M. Sample Jars used Remarks: 150 yd of tail pipe

Time On Location 12:15 AM Time Pick Up Tool 1:45 AM Time Off Location AM
PM PM PM
 Time Set Packer(s) 2:00 AM Time Started Off Bottom 6:00 AM Maximum Temperature 109 of
PM PM PM
 Initial Hydrostatic Pressure (A) 1813 P.S.I.
 Initial Flow Period Minutes 30 (B) 75 P.S.I. to (C) Plugged P.S.I.
 Initial Closed In Period Minutes 60 (D) 750 P.S.I.
 Final Flow Period Minutes 30 (E) 1161 P.S.I. to (F) 1161 P.S.I.
 Final Closed In Period Minutes 60 (G) 750 P.S.I.
 Final Hydrostatic Pressure (H) P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.
 All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]
 Signature of Customer or his authorized representative

FIELD INVOICE

Open Hole Test \$
 Misrun \$
 Straddle Test \$
 Jars \$
 Selective Zone \$
 Safety Joint \$
 Standby \$
 Evaluation \$
 Extra Packer \$
 Circ. Sub. \$
 Mileage \$
 Fluid Sampler \$

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 CONSERVATION DIVISION



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET **ONG 18310**

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1764 KB Formation Consolidate Eff. Pay. Ft.

District Leath Date 8-4-91 Customer Order No.

COMPANY NAME Dawson-Markwell Exploration, Inc.
ADDRESS 3620 N.W. 58th St. Oklahoma City OK 73112

LEASE AND WELL NO. Fischer #1 COUNTY Stafford STATE Oklahoma Sec. 31 Twp 21 Rge. 11W

Mail Invoice To Same Co. Name Address No. Copies Requested Fig

Mail Charts To Same Co. Name Address No. Copies Requested Fig

Formation Test No. 2 Interval Tested From 3485 ft. to 3520 ft. Total Depth 3650 ft.

Packer Depth 3480 ft. Size 6 5/8 in. Packer Depth 3520 ft. Size 6 7/8 in.

Packer Depth 3485 ft. Size 6 5/8 in. Packer Depth 3525 ft. Size 6 7/8 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3488 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 3491 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth 3497 ft. Recorder Number 13263 Cap. 4400

Drilling Contractor Loke Drilling Drill Collar Length NC I. D. in.

Mud Type Starch Viscosity 38 Weight Pipe Length 577 I. D. 2.5 in.

Weight 7.8 Water Loss 8.0 cc. Drill Pipe Length 2888 I. D. 3.2 in.

Chlorides 24,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make NO Serial Number Anchor Length 35 ft. Size 5 1/2 OD in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FN in.

Blow: Strong blow in 15 minutes on initial flow

Strong blow on final flow

Recovered 250 ft. of gas oil pipe

Recovered 5 ft. of gas oil

Recovered 240 ft. of gas oil and muddy water 25% gas 5% oil 20% mud

Recovered ft. of 50% water

Recovered 350 ft. of water 43,000 P.P.M.

Chlorides P.P.M. Sample Jars used Remarks: 130 ft tail pipe

Time On Location 9:00 A.M. Time Pick Up Tool 9:30 A.M. Time Off Location P.M.

Time Set Packer(s) 10:30 A.M. Time Started Off Bottom 1:30 P.M. Maximum Temperature 110 F

Initial Hydrostatic Pressure (A) 1867 P.S.I.

Initial Flow Period Minutes 30 (B) 75 P.S.I. to (C) 111 P.S.I.

Initial Closed In Period Minutes 60 (D) 750 P.S.I.

Final Flow Period Minutes 30 (E) 247 P.S.I. to (F) 247 P.S.I.

Final Closed In Period Minutes 60 (G) 729 P.S.I.

Final Hydrostatic Pressure (H) 1845 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] SEP 26 1991
Signature of Customer or his authorized representative

Western Representative Leo Ditt - Thank you!

FIELD INVOICE

- Open Hole Test \$
- Mistrun \$
- Straddle Test \$
- Jars \$
- Selective Zone \$
- Safety Joint \$
- Standby \$
- Evaluation \$
- Extra Packer \$
- Circ. Sub. \$
- Mileage \$
- Fluid Sampler \$

WELL NO. _____ LEASE _____
 CUSTOMER _____
 JOB TYPE _____
 DATE 7-30-91

TICKET NO. 173058
 PAGE NO. _____

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS	T C	TIUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
	9:30							ON location ORIGINAL
	10:05							Break in
	11:00	5	3846	1			150	MIX CEMENT
	11:10							Cement mix pull per plug
	11:15	5	1641	1			300	Start Deep
	11:19							Plug Down
	11:26							Close In
								Wash up
								Rock up
								3 BBI part

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 SEP 26 1991
 MANAGEMENT DIVISION

Thank you

32114-P

JOB SUMMARY

BILLED ON TICKET NO. **173058**

OK copy of
6-1-81

CUSTOMER Douglas Markoval LEASE Fisher WELL NO. 1 JOB TYPE Surface DATE 7-30-91

FIELD 31 TWP. 11 RING. 11 COUNTY Sto. Paul STATE KS

FORMATION NAME _____ TYPE _____ FROM _____ TO _____

FORMATION THICKNESS _____

INITIAL PROD. OIL _____ BPD. WATER _____ MCFD _____

PRESENT PROD. OIL _____ BPD. WATER _____ MCFD _____

COMPLETION DATE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

NEW USED _____ WEIGHT _____ SIZE _____ FROM _____ TO _____ MAXIMUM PSI ALLOWABLE _____

CASING _____ LINER _____ TUBING _____

OPEN HOLE _____ PERFORATIONS _____ PERFORATIONS _____ PERFORATIONS _____

SHOTS/FT. _____

ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB./GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL _____

ACID TYPE _____ GAL _____

ACID TYPE _____ GAL _____

ACID TYPE _____ GAL _____

SURFACTANT TYPE _____ IN _____

NE AGENT TYPE _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL-LB. _____ IN _____

PRC. RED. AGENT TYPE _____ GAL-LB. _____ IN _____

BREAKER TYPE _____ GAL-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL-LB. _____

PERTAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

ON LOCATION DATE 7:30 TIME 9:30 JOB STARTED DATE 7:30 TIME 10:55 JOB COMPLETED DATE 7:30 TIME 12:30

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Reed</i>	<i>4781</i>	<i>32411 GABrid</i>
<i>Keenan</i>	<i>26010</i>	<i>0513 G+Drill</i>
<i>Messing</i>	<i>5110</i>	

DEPARTMENT Cem-117

DESCRIPTION OF JOB Surface

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN:

CUSTOMER REPRESENTATIVE *[Signature]*

HALLIBURTON OPERATOR *[Signature]* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CUFT./SK.	MIXED LBS./GAL.
	<u>170</u>	<u>170</u>		<u>13</u>		<u>1127</u>	<u>111.3</u>

SUMMARY

PRESSURES IN PSI _____

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

AVAILABLE AVERAGE RATES IN BPM _____ USED _____

TREATING _____ CEMENT LEFT IN PIPE _____ OVERALL _____

REASON *Aggrst*

REMARKS *38.45*
54.85

HALLIBURTON SERVICES
JOB LOG

WELL NO. #1 LEASE Fischer TICKET NO. 185401-7
 CUSTOMER Dawson - Markwell PAGE NO. _____
 JOB TYPE Production String DATE 8-4-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							Called Out ORIGINAL
	1730							On Location
	2115							Drop Ball
								Break Circulation
	2329	6	20				300	Start Salt Flush 20 bbl.
	2335		5.74					Plug Rathole 15 sks Plug Mouse Hole 100.
	2340	6	0				300	Start Cement
	2345	6	31.38				300	Finish Mixing Cement
	2350							Clear Lines + Release Plug
	2400	7.5	0				300	Start Displacement
	0015	7.5	87.01				1000	Plug Down By Wireline at 3570
								Wash and Rack up Truck
								Job Complete
								<u>Thank You!</u>
								Shawn Guesner - 79521
								David Scott - B 9475
								Mae Krentzel - 26414
								RECEIVED OPERATION MISSION
								SEP 26 1991

CUSTOMER

CUSTOMER: Dawson - Markwell
LEASE: Fisher
WELL NO.:
JOB TYPE: 5 1/2 Long string
DATE: 8-4-91

WELL DATA

FIELD _____ SEC 31 TWP 21 RNG 11 COUNTY Stafford STATE K5

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

PRESENT PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

NEWLY USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING <u>N</u>	<u>14</u>	<u>5 1/2</u>	<u>K8</u>	<u>3597</u>	
LINER					
TUBING					
OPEN HOLE		<u>7 7/8</u>	<u>3597</u>	<u>3650</u>	SHOTS/FT.
PERFORATIONS					
PERFORATIONS					
PERFORATIONS					

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-4</u>	DATE <u>8-4</u>	DATE <u>8-4-91</u>	DATE <u>8-5-91</u>
TIME <u>1600</u>	TIME <u>1730</u>	TIME <u>2330</u>	TIME <u>0400</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE	<u>1</u>	<u>Howco</u>
CENTRALIZERS	<u>5</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>5"</u>	<u>1</u>	<u>"</u>
HEAD <u>+ manifold</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER <u>Insert + Auto</u>	<u>1</u>	<u>"</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S Guesnier - 77501</u>	<u>51197</u>	
<u>D Scott - B9475</u>	<u>Comb</u>	<u>25520</u>
<u>M Krentzel - 26414</u>	<u>0513</u>	<u>"</u>
	<u>Bulk</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL-API _____

PROP. TYPE _____ SIZE _____ LB _____

PROP. TYPE _____ SIZE _____ LB _____

ACID TYPE _____ GAL _____ % _____

ACID TYPE _____ GAL _____ % _____

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 _____

OTHER _____

DEPARTMENT Cemt

DESCRIPTION OF JOB 5 1/2 Long string

JOB DONE THRU: TUBING CASING ANNULOS TBG/JANN.

CUSTOMER REPRESENTATIVE: [Signature]

HALLIBURTON OPERATOR S. Guesnier COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>75</u>	<u>40-60</u>	<u>Poz</u>	<u>B</u>	<u>10% Salt, 75% Halad - 322</u>	<u>1.39</u>	<u>14.76</u>
	<u>75</u>	<u>40-60</u>	<u>Poz</u>	<u>B</u>	<u>10% Salt + 75% Halad - 322 5% 1.5K</u>	<u>1.49</u>	<u>14.00</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH _____ GAL 20 TYPE Salt

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: _____ GAL _____ PAD: _____ GAL _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: _____ GAL _____ DISPL: _____ GAL 87.01

SHUT-IN INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: _____ GAL 17.4 + 19.9 = 37.30

ORDERED _____ AVAILABLE _____ TOTAL VOLUME: _____ GAL _____

AVERAGE RATES IN BPM _____ REMARKS Cemt 1-4-7-10-14

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET 31.20 REASON: Insert

SEP 26 1991