

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

Operator: License # #6044 / #9855
Name: Stelbar Oil Corporation, Inc. / Grand Mesa Operating Co.
Address 155 N. Market
Suite #500
City/State/Zip Wichita, KS 67202

Purchaser: _____
Operator Contact Person: Roscoe L. Mendenhall
Phone (316) 264-8378

Contractor: Name: Norseman Drilling, Inc.
License: #03779
Wellsite Geologist: Steve Stribling

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows
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. _____
Spud Date 08/17/92 Date Reached TD 08/24/92 Completion Date 09/11/92

API NO. 15- 155-21210-00-00
County Reno **ORIGINAL**
C - W $\frac{1}{2}$ - SW $\frac{1}{4}$ - Sec. 17 Twp. 24S Rge. 9W ^E
1320 Feet from ~~S~~X (circle one) Line of Section
660 Feet from ~~E~~X (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Hinshaw Well # 1-17
Field Name Undesignated
Producing Formation Mississippian
Elevation: Ground 1664' KB 1672'
Total Depth 3900' PBTD 3838'
Amount of Surface Pipe Set and Cemented at 6 Jts. @ 260' KB 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.

Drilling Fluid Management Plan Alt 1 12-17-92
(Data must be collected from the Reserve Pit)
Chloride content 10,000 ppm Fluid volume 80 bbls
Dewatering method used Hauled by truck and evaporation.
Location of fluid disposal if hauled offsite: _____
Operator Name C&C Tank Service, Inc.
Lease Name Roach SWD License No. #30708
SW $\frac{1}{4}$ Quarter Sec. 14 Twp. 23 S Rng. 9 ^E
County Reno Docket No. #22208

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FROM CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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-1 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 Roscoe L. Mendenhall
Title Petroleum Engineer Date 11/24/92

Subscribed and sworn to before me this 24th day of November, 19 92.

Notary Public James L. Kelley
James L. Kelley
Date Commission Expires July 1, 1996
My Appl. Exp. 7-1-96

11-30-92
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

PI

Stelbar Oil Corporation, Inc.

SIDE TWO

Operator Name Grand Mesa Operating Co. Lease Name Hinshaw Well # 1-17

Sec. 17 Twp. 24S Rge. 9 East West County Reno

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample	<input checked="" type="checkbox"/> E-Log	Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Winfield			1548	- 124
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Onaga Shale	2268 - 596		2266	- 594
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wabaunsee	2307 - 635		2302	- 630
List All E.Logs Run:		Shawnee	2773 -1101		2773	-1101
Dual Induction		Heebner Shale	3094 -1422		3092	-1420
Comp. Neutron/Comp. Density		Brown Lst.	3264 -1592		3260	-1588
Sonic Waveform		Lansing	3284 -1612		3285	-1613
Acoustic Cement Bond Log		Hushpuckney Shale	3585 -1913		3583	-1911
		B/Kansas City	3637 -1965		3636	-1964
		Mississippian	3742 -2070		3738	-2066
		Gilmore City	3785 -2113		3786	-2114
		Kinderhook Shale	3818 -2146		3816	-2144

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 1/4"	8 5/8"	24#	260'	60/40 Poz	175	3% CC 2% Gel
Production Csg.		4 1/2"	10.5#	3890'	Poz 50/50 Mix	200	2% CC, 10% Salt 5#/Sack Gilsonite 1.5% Halad 322

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				

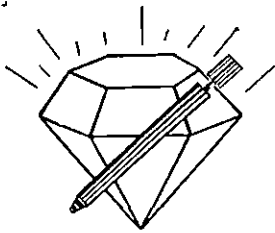
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	3738' - 3756' / Mississippian		Frac w/30,000# 12/20 sand and 30,000 gals. gelled water 3738'-3756'

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
118 Jts.	2 3/8"	3725'		

Date of First, Resumed Production, SWD or Inj.	Producing Method
One Pt. Test performed on 09/23/92.	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	950	120			

Disposition of Gas: Well is shut-in - WOPL. METHOD OF COMPLETION Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval 3738' - 3756'



DIAMOND TESTING

P. O. Box 157

HOISINGTON, KANSAS 67541 (316) 653-7550

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Company Stelbar Oil/Grand Mesa Oper. Lease & Well No. Hinshaw No. 1-17
Elevation 1672 KB Formation Lower Mississippi Effective Pay 20 Ft. Ticket No. 866
Date 8-22-92 Sec. 17 Twp. 24S Range 9W County Reno State Kansas
Test Approved By Steve Stribling Diamond Representative Roger D. Friedly
Formation Test No. 2 Interval Tested from 3,756 ft. to 3,776 ft. Total Depth 3,776 ft.
Packer Depth 3,751 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,756 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3,744 ft. Recorder Number 13498 Cap. 3,925 psi
Bottom Recorder Depth (Outside) 3,773 ft. Recorder Number 13386 Cap. 3,875 psi
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Norseman Drilling, Inc. - Rig 2 Drill Collar Length -- I.D. -- in.
Mud Type Low Solids Viscosity 59 Weight Pipe Length -- I.D. -- in.
Weight 9.3 Water Loss 11.0 cc. Drill Pipe Length 3,730 ft. I.D. 3 1/4 in.
Chlorides 10,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 20 ft. Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Fair, 2 in., blow increasing. Off bottom of bucket in 14 mins.
2nd Open: Strong blow. Off bottom of bucket in 30 secs.

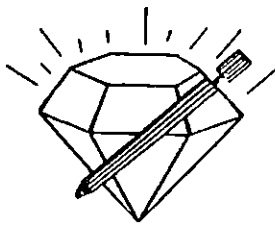
Recovered 700 ft. of gas in pipe
Recovered 30 ft. of oil specked mud with some free oil in tool = .3078 bbls. (Grind out: 3%-oil; 5%-gas; 92%-mud)
Recovered 30 ft. of TOTAL FLUID = .3078 bbls.
Recovered ft. of
Recovered ft. of
Remarks

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Time Set Packer(s) 10:10 A.M. P.M. Time Started Off Bottom 2:25 A.M. P.M. Maximum Temperature 99°
Initial Hydrostatic Pressure (A) 1905 P.S.I.
Initial Flow Period Minutes 45 (B) 60 P.S.I. to (C) 30 P.S.I.
Initial Closed In Period Minutes 60 (D) 419 P.S.I.
Final Flow Period Minutes 60 (E) 60 P.S.I. to (F) 30 P.S.I.
Final Closed In Period Minutes 90 (G) 984 P.S.I.
Final Hydrostatic Pressure (H) 1875 P.S.I.



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

ORIGINAL

FLUID SAMPLE DATA

Company Stelbar Oil/Grand Mesa Oper.

Lease & Well No. Hinshaw No. 1-17

Date 8-22-92 Sec. 17 Twp. 24 S Range 9 W

Formation Test No. 2 Interval Tested From 3,756 ft. to 3,776 ft. Total Depth 3,776 ft.

Formation Lower Mississippi

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>59.0 CP</u>	<u>118.0 CP</u>
Weight	<u>9.3</u>	<u>8.9</u>
Water Loss	<u>11.0 CC</u>	<u>N/C CC</u>
PH Factor	<u>11.4</u>	<u>4.4</u>

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	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud	<u>.55 @ 76 °F.</u>	<u>10,000 ppm</u>
Recovery Mud Filtrate	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Mud Pit Sample	<u>.60 @ 70 °F.</u>	<u>10,000 ppm</u>
Mud Pit Sample Filtrate	<u>-- @ -- °F.</u>	<u>-- ppm</u>

Sample Taken By Roger D. Friedly

Witness By Steve Stribling

Remarks _____

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DIAMOND TESTING
Hoisington, KS

STELBAR / GRAND MESA
Hinshaw 1-17
Reno, KS

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Drill-stem Test #2

The extrapolated pressures could not be determined on this DST since the shut-in pressures did not break over. Therefore, no evaluation on the data was computed.

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08-23-1992 STELBAR / GRAND MESA

HINSHAW 1-17

INITIAL & FINAL SHUT-IN

DST #2

INITIAL

FINAL

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1254

100

10
(t+dt/dt)

ORIGINAL
Page 4 of 6 Pages

LEASE:HINSHAW 1-17
DST #:2
INITIAL SHUT-IN

ORIGINAL

Page 5 of 6 Pages

=====
RECORDER NO: 13386 DEPTH: 3773 FT.
INITIAL FLOW TIME: T = 45 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)
3	1.204	34.0
6	0.929	42.8
9	0.778	51.6
12	0.677	60.3
15	0.602	73.0
18	0.544	86.6
21	0.497	102.1
24	0.459	117.7
27	0.426	134.2
30	0.398	150.8
33	0.374	171.2
36	0.352	192.6
39	0.333	216.0
42	0.316	236.4
45	0.301	267.6
48	0.287	289.2
51	0.275	316.7
54	0.263	345.1
57	0.253	374.5
60	0.243	404.9

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LEASE:HINSHAW 1-17
DST #:2
FINAL SHUT-IN

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Page 6 of 6 Pages

=====
RECORDER NO: 13386 DEPTH: 3773 FT.
TOTAL FLOW TIME: T = 108 MIN.

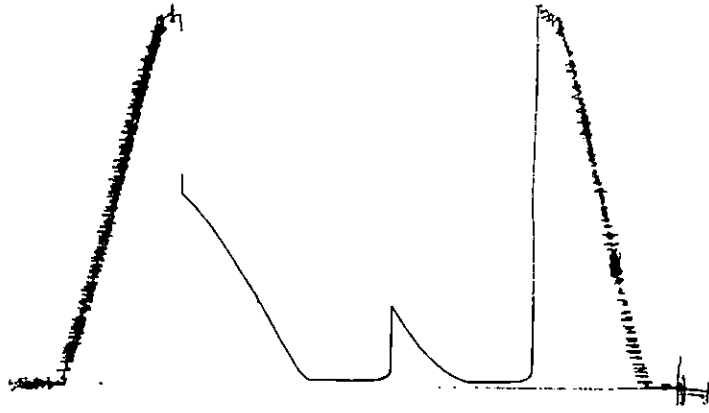
DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)
3	1.568	50.6
6	1.279	72.0
9	1.114	96.3
12	1.000	123.5
15	0.914	156.6
18	0.845	190.7
21	0.788	216.9
24	0.740	251.0
27	0.699	290.2
30	0.663	318.6
33	0.631	352.9
36	0.602	385.3
39	0.576	421.6
42	0.553	452.9
45	0.531	490.2
48	0.512	513.6
51	0.494	544.8
54	0.477	572.1
57	0.462	607.2
60	0.447	636.5
63	0.434	665.7
66	0.421	695.9
69	0.409	724.2
72	0.398	754.4
75	0.387	782.7
78	0.377	810.9
81	0.368	835.3
84	0.359	857.7
87	0.351	882.1
90	0.342	907.4
93	0.335	932.7
96	0.327	945.4
99	0.320	963.0
102	0.314	971.7

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DST # 2 outside 13386 3756 - 3776
 Clock 19121 L. Miss 400 3773

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This is an actual photograph of recorder chart.

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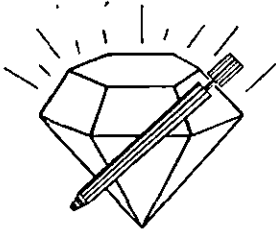
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POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1905	1889	PSI
(B) First Initial Flow Pressure.....	60	66	PSI
(C) First Final Flow Pressure	30	31	PSI
(D) Initial Closed-in Pressure	419	405	PSI
(E) Second Initial Flow Pressure.....	60	66	PSI
(F) Second Final Flow Pressure.....	30	33	PSI
(G) Final Closed-in Pressure.....	984	972	PSI
(H) Final Hydrostatic Mud.....	1875	1856	PSI

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Page 1 of 7 Pages

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Company Stelbar Oil/Grand Mesa Oper. Lease & Well No. Hinshaw No. 1-17
Elevation 1672 KB Formation Mississippi Effective Pay 15Ft. Ticket No. 865
Date 8-22-92 Sec. 17 Twp. 24S Range 9W County Reno State Kansas
Test Approved By Steve Stribling Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,708 ft. to 3,756 ft. Total Depth 3,756 ft.
Packer Depth 3,703 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,708 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3,696 ft. Recorder Number 13498 Cap. 3,925 psi
Bottom Recorder Depth (Outside) 3,753 ft. Recorder Number 13386 Cap. 3,875 psi
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

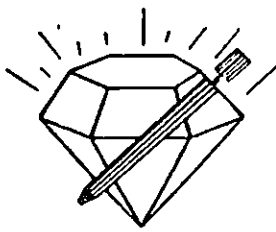
Drilling Contractor Norseman Drilling, Inc. - Rig 2 Drill Collar Length _____ I.D. _____ in.
Mud Type Low Solids Viscosity 50 Weight Pipe Length _____ I.D. _____ in.
Weight 9.6 Water Loss 10.4 cc. Drill Pipe Length 3,682 ft. I.D. 3 1/2 in.
Chlorides 10,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number No! Run Anchor Length 48 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 20 secs. Gas to surface in 2 mins. (SEE GAS VOLUME REPORT)
2nd Open: Strong blow immediately.

Recovered 50 ft. of drilling mud = .513 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks _____

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Time Set Packer(s) 6:35 A.M. P.M. Time Started Off Bottom 11:05 A.M. P.M. Maximum Temperature 99°
Initial Hydrostatic Pressure (A) 1895 P.S.I.
Initial Flow Period Minutes 30 (B) 250 P.S.I. to (C) 180 P.S.I.
Initial Closed In Period Minutes 60 (D) 1399 P.S.I.
Final Flow Period Minutes 60 (E) 240 P.S.I. to (F) 180 P.S.I.
Final Closed In Period Minutes 120 (G) 1399 P.S.I.
Final Hydrostatic Pressure (H) 1885 P.S.I.



DIAMOND TESTING
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GAS VOLUME REPORT

Company Stelbar Oil/Grand Mesa Oper. Lease & Well No. Hinshaw No. 1-17
 Date 8-22-92 Sec. 17 Twp. 24 S Rge. 9 W Location C W/2 SW County Reno State KS
 Drilling Contractor Norseman Drilling, Inc. - Rig 2 Formation Mississippi DST No. 1
 Remarks: 1st Open: Gas to surface in 2 mins.

Gas burns nicely. No H₂S detected. Sample taken 20 mins. into final flow.

INITIAL FLOW

Open Tool: 6:35 a.m.

Time O'Clock	Orifice Size	Gauge	CF/D
6:40 a.m.	1 1/2 in.	4 psi	764,000
6:45 a.m.	1 1/2 in.	4 1/2 psi	814,000
6:50 a.m.	1 1/2 in.	9 1/2 psi	777,000
6:55 a.m.	1 1/2 in.	9 1/2 psi	777,000
7:00 a.m.	1 1/2 in.	9 1/2 psi	777,000
7:05 a.m.	1 1/2 in.	9 1/2 psi	777,000
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

Open Tool: 8:05 a.m.

Time O'Clock	Orifice Size	Gauge	CF/D
8:10 a.m.	1 in.	23 psi	796,000
8:15 a.m.	1 in.	22 psi	773,000
8:20 a.m.	1 in.	21 1/2 psi	761,000
8:25 a.m.	1 in.	21 psi	749,000
8:30 a.m.	1 in.	21 psi	749,000
8:35 a.m.	1 in.	21 psi	749,000
8:45 a.m.	1 in.	20 3/4 psi	743,000
8:55 a.m.	1 in.	20 3/4 psi	743,000
9:05 a.m.	1 in.	20 3/4 psi	743,000
	in.	in.	

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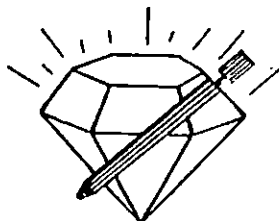
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Page 3 of 7 Pages

FLUID SAMPLE DATA

Company Stelbar Oil/Grand Mesa Oper.

Lease & Well No. Hinshaw No. 1-17

Date 8-22-92 Sec. 17 Twp. 24 S Range 9 W

Formation Test No. 1 Interval Tested From 3,708 ft. to 3,756 ft. Total Depth 3,756 ft.

Formation Mississippi

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>50.0</u> CP	<u>53.0</u> CP
Weight	<u>9.6</u>	<u>9.6</u>
Water Loss	<u>10.4</u> CC per Mud Eng.	<u>N/C</u> CC
PH Factor	<u>11.4</u>	<u>8.9</u>

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	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>.45</u> @ <u>95</u> °F.	<u>10,000</u> ppm
Recovery Mud Filtrate	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Mud Pit Sample	<u>.60</u> @ <u>70</u> °F.	<u>10,000</u> ppm
Mud Pit Sample Filtrate	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm

Sample Taken By Roger D. Friedly

Witness By Steve Stribling

Remarks _____

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DIAMOND TESTING
CALCULATION OF FORMATION CHARACTERISTICS
FROM DST DATA

FOR: STELBAR / GRAND MESA OPER.
LEASE: HINSHAW 1-17 DST #1
LOCATION: 17-24S-9W, C W/2 SW FORMATION: U. MISS
COUNTY: RENO, KS ELEVATION: 1672 KB
GAUGE DEPTH: 3753 DATUM: -2081

*****TEST PARAMETERS*****

TEST INTERVAL: 3708 - 3756 EST PAY: 15
TIME INTERVAL: 30 - 60 - 60 - 120 GAS COMPRESSIBILITY: 1.22
INITIAL FLOW PRESS: 249.0- 173.2 VISCOSITY OF GAS: .033
FINAL FLOW PRESS: 261.8- 172.2 HOLE SIZE: 7.875
SHUT-IN PRESS(I-F):1391.9-1389.9 D.C. CAPACITY: 0.00000
BOTTOM HOLE TEMPERATURE: 99 W.P. CAPACITY: 0.00000
TOTAL FEET OF RECOVERY: 50 D.P. CAPACITY: 0.01026
STAB FLOW RATE: 743 MCF TOTAL BBLs FLUID: 0.5128

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EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI): 1420
SLOPE (PSI²-CYCLE): 114759 POINTS USED: 9

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EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI): 1417
SLOPE (PSI²-CYCLE): 100728 POINTS USED: 16

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GAS CALCULATIONS

TRANSMISSIBILITY (MD-FT/CP) : 8234.91
THEORETICAL FLOW CAPACITY (MD-FT) : 271.75
INDICATED FLOW CAPACITY (MD-FT) : 48.64
AVERAGE EFFECTIVE PERMABILITY (MD) : 18.12
DAMAGE RATIO : 5.586
DRAWDOWN FACTOR (%) : 0.211
APPROXIMATE RADIUS OF INVESTIGATION (FT) : 40.4
POTENTIOMETRIC SURFACE (FT) : 1205.0

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MINNER WARRERS

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08-23-1992 STELBAR / GRAND MESA OPER.

HINSHAW 1-17

INITIAL & FINAL SHUT-IN

DST #1

INITIAL

FINAL

1622

I 1420
F 1417

1381 F
1379 I

FROM CONFIDENTIAL

DEC 22 1994

RELEASED

100

10
(t+dt/dt)

900

LEASE:HINSHAW 1-17
DST #:1
INITIAL SHUT-IN

ORIGINAL

Page 6 of 7 Pages

=====
RECORDER NO: 13386 DEPTH: 3753 FT.
INITIAL FLOW TIME: T = 30 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)
3	1.041	1116.2
6	0.778	1316.9
9	0.637	1353.9
12	0.544	1363.6
15	0.477	1371.4
18	0.426	1375.3
21	0.385	1381.2
24	0.352	1383.1
27	0.325	1385.1
30	0.301	1386.0
33	0.281	1387.0
36	0.263	1389.0
39	0.248	1389.0
42	0.234	1389.0
45	0.222	1389.9
48	0.211	1389.9
51	0.201	1390.9
54	0.192	1390.9
57	0.184	1391.9
60	0.176	1391.9

NOV 25 1994
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LEASE:HINSHAW 1-17
DST #:1
FINAL SHUT-IN

NOV 25 ORIGINAL
CONFIDENTIAL
Page 7 of 7 Pages

=====

RECORDER NO: 13386 DEPTH: 3753 FT.
TOTAL FLOW TIME: T = 90 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)
3	1.491	906.4
6	1.204	1259.4
9	1.041	1315.9
12	0.929	1340.3
15	0.845	1354.9
18	0.778	1363.6
21	0.723	1367.5
24	0.677	1371.4
27	0.637	1373.4
30	0.602	1375.3
33	0.571	1376.3
36	0.544	1377.3
39	0.520	1378.3
42	0.497	1380.2
45	0.477	1381.2
48	0.459	1382.1
51	0.442	1383.1
54	0.426	1383.1
57	0.411	1384.1
60	0.398	1384.1
63	0.385	1385.1
66	0.374	1385.1
69	0.363	1386.0
72	0.352	1386.0
75	0.342	1387.0
78	0.333	1387.0
81	0.325	1388.0
84	0.316	1388.0
87	0.308	1388.0
90	0.301	1389.0
93	0.294	1389.0
96	0.287	1389.9
99	0.281	1389.9
102	0.275	1389.9
105	0.269	1389.9
108	0.263	1389.9
111	0.258	1389.9
114	0.253	1389.9
117	0.248	1389.9
120	0.243	1389.9

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DEC 2 2 1994.

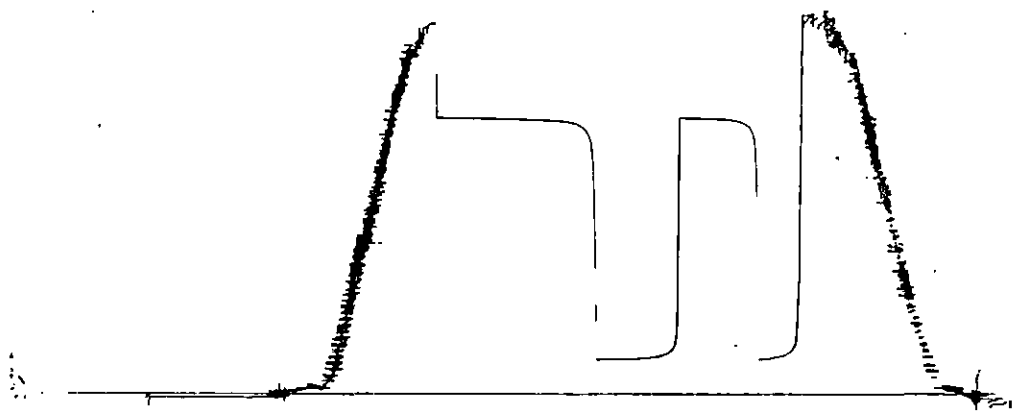
FROM CONFIDENTIAL

DST # 1 outside 13386
 Clock 19121 Miss

3708-3758
 LOC 3753

NOV 25
 CONFIDENTIAL

ORIGINAL



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1895	1882	PSI
(B) First Initial Flow Pressure.....	250	249	PSI
(C) First Final Flow Pressure	180	173	PSI
(D) Initial Closed-in Pressure	1399	1392	PSI
(E) Second Initial Flow Pressure.....	240	262	PSI
(F) Second Final Flow Pressure.....	180	172	PSI
(G) Final Closed-in Pressure.....	1399	1390	PSI
(H) Final Hydrostatic Mud	1885	1863	PSI

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 DEC 22 1994
 FROM CONFIDENTIAL

COMPANY Stelbar Oil/Grand Mesa Oper. LEASE AND WELL NO. Hinshaw No. 1-17 SEC. 17 TWP. 24S RGE. 9W TEST NO. 1 DATE 8-22-92

ORIGINAL NOV 2 '92
ALLIED CEMENTING CO., INC.
 Home Office P. O. Box 31
 Russell, Kansas 67665

3120

New

Date	8-17-92	Sec.	17	Fwp.	24	Range	9	Called Out	9 ⁰⁰ AM	On Location	11 ³⁰ AM	Job Start	2 ⁰⁰ PM	Finish	3 ⁰⁰ PM
Lease	HINSHAW	Well No.	#1-17	Location	50+ London Rd. 2 1/2 W N/S			County	RENO	State	KS				
Contractor	Morseman Drilling R.s #2											Owner	SAME		
Type Job	Surface Pipe Job											To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size	12 1/2	T.D.	260 ft	Depth	260 ft										
Csg.	2 1/2	8 1/2													
Tbg. Size												Charge To	Stelbar Oil Corp. Inc.		
Drill Pipe												Street	155 N. Market #500		
Tool												City	Wichita State KS. 67202		
Cement Left in Csg.	15 ft	Shoe Joint													
Press Max.												The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	245 ft	Displace	15.6 bbl												
Perf.															

EQUIPMENT
Must Read

No.	Cement	Mike
Pumptrk 120	Helper	Duane
No.	Cement	
Pumptrk	Helper	
Bulktrk	Driver	
Bulktrk 63	Driver	Mark

DEPTH of Job 260 ft

Reference:	Pump Truck Charge	380.00
	50 m. lase Charge	100.00
	1 8 1/2 wooden plug	42.00
	<i>Sub Total</i>	
	<i>Tax</i>	
	Total	522.00

Remarks: Cement did Circulate

Allied Cementing Co. Inc
 Mike Morse

Purchase Order No. *175*

X *Don Bell* Thank you

CEMENT

Amount Ordered *(175) 40 37cc 28 gal*

Consisting of

Common	105	5.50	577.50
Poz. Mix	70	2.50	175.00
Gel.	4	6.75	NIC
Chloride	5	21.00	105.
Quickset			

RELEASED

Handling 175 1.00 175.00

Mileage 50 FROM CONFIDENTIAL 350.00

STATE CORPORATION COMMISSION Sub Total

NOV 30 1992

Conservation Division

Floating Equipment

Total 1382.00

Total \$ 1904.50

Disc - 380.90

\$ 1523.60

BULK MATERIALS DELIVERY AND TICKET CONTINUATION



FOR INVOICE AND
TICKET NO. 252834

NOV 25

DATE 08/24/92	CUSTOMER ORDER NO.	WELL NO. AND FARM Hinshaw #1	COUNTY CONFIDENTIAL	STATE KS
CHARGE TO Stelbar Oil Corp.		OWNER	CONTRACTOR Norseman Drlg.	No. B 118389
MAILING ADDRESS		DELIVERED FROM Pratt, KS	LOCATION CODE 255555	PREPARED BY Dave Sergent
CITY & STATE		DELIVERED TO Wellsite	TRUCK NO. 50808	RECEIVED BY <i>J.W.</i>

ORIGINAL

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				200 sks. 50% Pozmix/50% Standard							
504-308	\$16.00261			Standard Cement	100	sk			6.06	606 00	
506-105	\$16.00286			Pozmix A	7400	lb			0.048	355 20	
506-121	\$16.00259			Allowed Gel 2%	336	lb	3	sk	N/C	N C	
508-291	\$16.00337			Gilsonite 5#/sk.	1000	lb			0.35	350 00	
507-775	\$16.00144			Halad-322 1.5%	252	lb			6.30	1587 60	
509-968	\$16.00158			Salt- 10%	1000	lb			0.10	100 00	
<i>LOADED EVENLY - BOTH TANKS</i>											
THIS IS NOT AN INVOICE											
RELEASED DEC 22 1992											
FROM CONFIDENTIAL											
				Returned Mileage Charge	TOTAL WEIGHT		RECEIVED LOADED MILES		TON MILES		
					STATE		NOV 30 1992		CU. FEET		
				SERVICE CHARGE ON MATERIALS RETURNED							
500-207				SERVICE CHARGE			NOV 30 1992		234 CU. FEET		
500-306				Mileage Charge	19,379	37	358.5 2		0.80	286 82	
					TOTAL WEIGHT		LOADED MILES		TON MILES		
No. B 118389				CARRY FORWARD TO INVOICE				SUB-TOTAL		3554 72	

CUSTOMER



FORM 1908 R-7

A Division of Halliburton Company

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 253854

DISTRICT PRAT KS ORIGINAL NOV 25 DATE 8-24-92

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: STEBAR OIL COMPANY (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE HINSHAW SEC. 17 TWP. 29S RANGE 76W

FIELD COUNTY PELL COUNTY STATE KS OWNED BY

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE THICKNESS FROM TO PACKER: TYPE SET AT TOTAL DEPTH 3900 MUD WEIGHT BORE HOLE 7 7/8 INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

CEMENT 4 1/2 PRODUCTION CASING WITH 300 SKS 50/50 PPT, 27 GEL, 10/1 SALT 1:1 HINSHAW-322 5 1/2 GALLONS

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list...

b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from any claims, liability, damages, losses, expenses, attorneys fees, and costs of defense to the extent permitted by law for damage to property owned by, or in possession of or leased by Customer and or the well owner...

c) Reservoir formation in well-bore or annulus, subsurface reservoir or any action in the nature thereof d) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from any claims, liability, damages, losses, expenses, attorneys fees, and costs of defense to the extent permitted by law for damage to property owned by, or in possession of or leased by Customer and or the well owner...

The terms, conditions, warranties and other provisions of the contract provided for in this Section (b) and Section (c) above shall apply to claims of damage to property, loss of production, or other damages caused by Halliburton or its subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them...

The terms, conditions, warranties and other provisions of the contract provided for in this Section (b) and Section (c) above shall apply to claims of damage to property, loss of production, or other damages caused by Halliburton or its subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them...

The terms, conditions, warranties and other provisions of the contract provided for in this Section (b) and Section (c) above shall apply to claims of damage to property, loss of production, or other damages caused by Halliburton or its subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them...

To warrant the provider of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law That this contract shall be governed by the law of the state where services are performed or materials are furnished. That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER

DATE 8-24-92

TIME 0700 (A.M. P.M.)

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

RELEASED

DEC 22 1994

FROM CONFIDENTIAL

STATE COMMISSION

NOV 30 1992

CONSERVATION DIVISION