

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

Operator: License # 31961

Name: Buried Hills Production Company Inc.

Address 900, 606 - 4th Street S.W.

Calgary, Alberta

City/State/Zip CANADA T2P 1T1

Purchaser: \_\_\_\_\_

Operator Contact Person: CONFIDENTIAL

Phone (\_\_\_\_) \_\_\_\_\_

Contractor: Name: Duke #4

License: 5929

Wellsite Geologist: Mathew D. Goolsby

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/Reentry: Old Well Info as follows:

Operator: KCC

Well Name: MAR 3

Comp. Date CONFIDENTIAL Total Depth \_\_\_\_\_

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

Nov 9/97 Nov 18/97 Nov 30/97  
 Spud Date Date Reached TD Completion Date

API NO. 15- 083-21453-00-00

County Hodgeman

- NE - SE - NE Sec. 35 Twp. 22S Rge. 23 X <sup>E</sup> <sub>W</sub>

1680' Feet from S(N) (circle one) Line of Section

430' 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 Billings Well # 1 SWD

Field Name Oppy South

~~Reservoir~~ Formation Arbuckle

Elevation: Ground 2231' KB 2238.5'

Total Depth 5400 PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 1422.4 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 JH 8-13-98  
(Data must be collected from the Reserve Pit)

Chloride content 1600 ppm Fluid volume 400 bbls

Dewatering method used Settling

Location of fluid disposal if hauled offsite: 3-8-98

Operator Name N/A KANSAS CORPORATION COMMISSION

Lease Name \_\_\_\_\_ License No. MAR 06 1998

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

County \_\_\_\_\_ DOCKET DIVISION  
WICHITA KS

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 [Handwritten Signature]

Title Vice-President, Production Date MARCH 5/98

Subscribed and sworn to before me this 5<sup>TH</sup> day of March, 19 98.

Notary Public Donald R. Leitch

Date Commission Expires \_\_\_\_\_

**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)

RELEASED APR 20 2001

DONALD R. LEITCH  
 A Commissioner for Oaths and Notary Public  
 in and for the Province of Alberta.  
 My Appointment expires at the pleasure of  
 the Lieutenant-Governor

Operator Name Buried Hills Production Company Inc.

Lease Name Billings Well # 1 SWD

Sec. 35 Twp. 22S Rge. 23  
 East  
 West

County Hodgeman

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:

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

Dual Compensated Porosity Log  
 Dual Induction Log

CASING RECORD <input 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	12 1/4"	8 5/8"	24	1422.4'	35165 Class C	365	6% D20+3%SL+.25 PPD29
					Class C	170	3%SL+.25PPSD29
Production	7 7/8"	5 1/2"	15.5	4980.5	EA2 Standard	310	5% Calseal+18%Salt 1/4#/SK Floseal 3/4% 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
	Open Hole Completion 4980.5' - 5400'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	3 1/2"	4957.8'	4941.6'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)			
Dec 2/97				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
				Well was drilled as a SWD

Disposition of Gas: METHOD OF COMPLETION INJECTION ~~Production~~ Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 4980.5' - 5400'  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

15.083.21453-0000

900, 606 - 4<sup>th</sup> Street S.W.  
Calgary, Alberta  
T2P 1T1  
Telephone: (403) 261-6666 Fax: (403) 266-8022



# Fax

**To:** Kansas Corporation Commission      **Fax:** (316) 337-6211

Attention: Mr. Jim Hemin

**From:** Angela Guenette      **Pages:** 7

**Phone:** 750-1207      **Fax:** 263-0865      **Date:** Aug 13/98

**Re:** Billings Disposal Well      **CC:**

**Urgent**     **For Review**     **Please Comment**     **Please Reply**     **Please Recycle**

• **Comments:**

As requested, please find attached surface casing and cementing job tickets for the Billings Disposal NW/4 Sec. 35-T22S-R23W well.

If you have any questions or require further information, please give me a call.

Angela Guenette

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APR 20 2001

FROM CONFIDENTIAL



15-083-21453-0000

Well		Billing Disposal #1		Field		Service Date		Customer		Job Number	
				Hanson		11/0/97		MAXX PETROLEUM LTD		20030030	
Time	Density	Pressure	Totalflowrate					Message			
24 hr clock	ppg	psi	bph								
6:25	12.3	156.1	5.511	0	0	0	0				
6:25	12.37	141.2	5.538	0	0	0	0				
6:26	12.68	144.2	5.538	0	0	0	0				
6:27	12.15	139.8	6.837	0	0	0	0				
6:27	12.3	128.6	5.566	0	0	0	0				
6:28	11.89	89.58	5.537	0	0	0	0				
6:29	12.86	105.7	5.546	0	0	0	0				
6:28	12.57	104.3	5.937	0	0	0	0				
6:30	11.19	70.4	5.573	0	0	0	0				
6:31	12.62	94.21	5.555	0	0	0	0				
6:31	12.28	75.91	5.545	0	0	0	0				
6:32	12.1	63.4	5.568	0	0	0	0				
6:33	12.34	70.6	5.558	0	0	0	0				
6:33	12.24	69.55	5.571	0	0	0	0				
6:34	12.43	70.66	5.548	0	0	0	0				
6:35	12.29	69.61	5.572	0	0	0	0				
6:35	12.25	67.28	5.569	0	0	0	0				
6:36	12.39	74.92	5.564	0	0	0	0				
6:37	12.43	71.57	5.54	0	0	0	0				
6:37	12.82	78.12	5.556	0	0	0	0				
6:38	12.07	66.66	5.568	0	0	0	0				
6:39	12.19	63.91	5.558	0	0	0	0				
6:38	12.24	71.25	5.565	0	0	0	0				
6:40	11.88	64.77	5.56	0	0	0	0				
6:41	12.24	69.38	5.548	0	0	0	0				
6:41	12.39	73.99	5.541	0	0	0	0				
6:42	12.48	70.96	5.551	0	0	0	0				
6:43	12.46	71.79	5.54	0	0	0	0				
6:43	12.32	73.18	5.556	0	0	0	0				
6:44	12.24	72.55	5.555	0	0	0	0				
6:45	12.25	74.08	5.554	0	0	0	0				
6:46	12.39	78.08	5.542	0	0	0	0				
6:46	12.5	75.18	5.537	0	0	0	0				
6:47	12.25	76.8	5.552	0	0	0	0				
6:48	12.22	72.53	5.563	0	0	0	0				
6:48	12.2	70.31	5.571	0	0	0	0				
6:48	12.87	82.97	5.539	0	0	0	0				
6:50	12.61	82.24	5.562	0	0	0	0				
6:50	0	0	0	0	0	0	0	Start Mixing Tail Slurry			
6:50	11.93	73.24	5.591	0	0	0	0				
6:51	12.45	3.806	3.84	0	0	0	0				
6:52	14.63	118.8	5.516	0	0	0	0				
6:52	14.37	38.98	3.821	0	0	0	0				
6:53	14.69	128.8	5.543	0	0	0	0				
6:54	13.93	36.32	4.218	0	0	0	0				
6:54	14.91	39.63	3.797	0	0	0	0				
6:55	12.54	8.984	3.851	0	0	0	0				
6:56	15.27	40.08	3.778	0	0	0	0				
6:56	13.39	-17.75	2.84	0	0	0	0				
6:57	15.1	43.78	3.794	0	0	0	0				
6:58	14.03	-9.535	3.001	0	0	0	0				
6:58	15.02	38.22	3.751	0	0	0	0				
6:58	15.02	30.64	3.797	0	0	0	0				
7:00	14.85	39.06	3.807	0	0	0	0				

APR 20 2001

Page 2 of 4

FROM CONFIDENTIAL

15-083-21453-0000

Well	Field			Service Date	Customer	Job Number
	Hanson			11/9/97	MAXX PETROLEUM LTD	20030030
Time	Density	Pressure	Total Flowrate	Message		
24 hr clock	ppg	psi	bpm			
7:00	13.21	-26.98	2.44	0	0	
7:00	0	0	0	0	0	Shutdown
7:01	11.94	-80.69	1042E-7	0	0	
7:02	11.91	-81.57	2648E-12	0	0	
7:02	11.82	-91.42	6732E-17	0	0	
7:02	0	0	0	0	0	Drop Top Plug
7:03	0	0	0	0	0	Start Displacement
7:03	11.94	-36.92	2.607	0	0	
7:04	8.734	13.06	4.611	0	0	
7:04	8.252	18.29	5.186	0	0	
7:05	8.252	4.43	5.182	0	0	
7:06	8.109	.981	5.19	0	0	
7:08	8.145	2.619	5.198	0	0	
7:07	8.118	7.006	5.206	0	0	
7:08	8.159	31.28	5.843	0	0	
7:08	8.17	50.77	5.861	0	0	
7:09	8.236	83.03	5.844	0	0	
7:10	8.248	83.3	5.848	0	0	
7:10	8.242	99.83	5.852	0	0	
7:11	8.245	119	5.844	0	0	
7:12	8.176	126.7	5.85	0	0	
7:12	7.568	159.3	5.909	0	0	
7:13	7.456	176.3	5.927	0	0	
7:14	7.483	189.9	5.92	0	0	
7:14	0	0	0	0	0	Cement To Surface
7:14	7.518	227.2	5.914	0	0	
7:15	7.5	250.4	5.903	0	0	
7:16	7.495	277.1	5.92	0	0	
7:16	7.5	288.2	5.406	0	0	
7:17	7.5	328.2	5.723	0	0	
7:18	0	0	0	0	0	Lower Pump Rate
7:18	7.499	308.9	4.414	0	0	
7:18	7.51	268.2	2.216	0	0	
7:19	7.502	274.8	2.151	0	0	
7:20	7.491	282.8	2.107	0	0	
7:20	7.481	290.5	2.095	0	0	
7:21	7.48	298.7	2.073	0	0	
7:22	7.51	1071	.1501	0	0	
7:22	0	0	0	0	0	Bump Top Plug
7:22	7.725	1081	3813E-8	0	0	
7:23	7.725	1081	9693E-14	0	0	
7:24	7.723	1081	2484E-18	0	0	
7:24	7.723	1081	6285E-23	0	0	
7:25	7.723	1081	1593E-27	0	0	
7:26	0	0	0	0	0	Bleed Off Pressure
7:26	7.724	1081	4049E-32	0	0	
7:26	7.719	-89.16	1029E-36	0	0	
7:27	7.718	-83.68	2817E-41	0	0	
7:28	7.715	-85.68	8652E-46	0	0	
7:28	7.715	-87.43	1691E-50	0	0	
7:29	7.712	-89.56	4296E-55	0	0	
7:30	8.237	-67.77	1.073	0	0	
7:30	7.998	30.51	5.146	0	0	
7:31	7.791	32.48	5.123	0	0	

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APR 20 2001

FROM CONFIDENTIAL

15-083-21453-0000

Well		Field			Service Date		Customer		Job Number	
Billings Disposal #1		Hanson			11/8/97		MAXX PETROLEUM LTD		20030030	
Time	Density	Pressure	Total Flowrate					Message		
24 hr clock	ppg	psi	bpm							
7:31	0	0	0	0	0	0	0	STOP EDT		
<b>Post Job Summary</b>										
Average Pump Rate, bpm						Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
5	0	0	5.7	183	0	20	0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug, b	Breakdown	Type	Volume	Density			
400	1080	0	1080	120	7	12 bbl	8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft						
0 %	0 bbl	87.7 bbl								
Customer or Authorized Representative				Dowell Supervisor				<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Lynn Grant				James Esquivel						

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 APR 20 2001  
 FROM CONFIDENTIAL

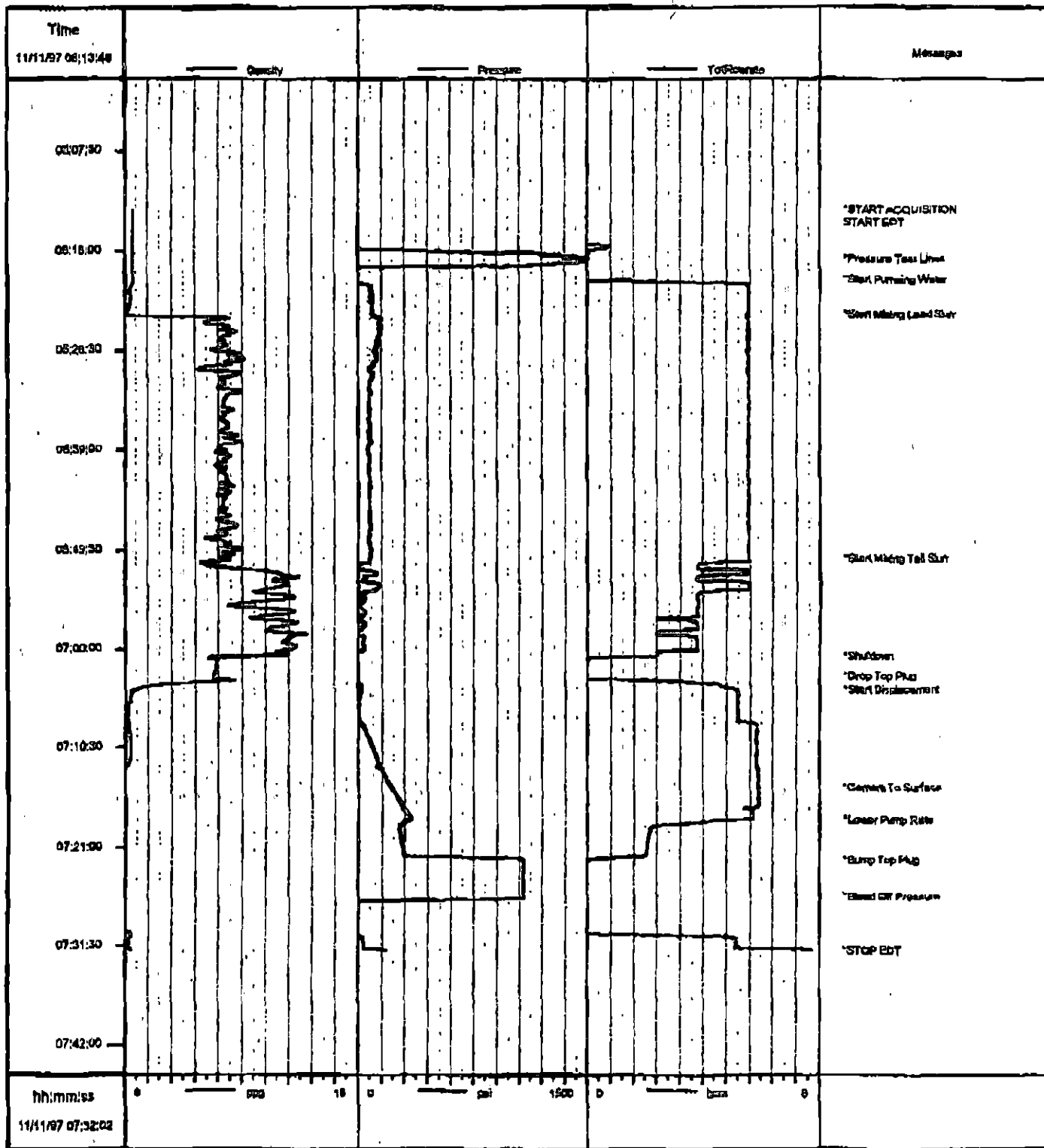
Schlumberger  
Dowell

### Cementing Job Report

PRISM V2.2

15-083-21453-0000

Well	BILLINGS #1	Client	MAXX ENERGY INC.
Field	OPPY SOUTH	SIR No.	20030030
Country	USA	Job Date	11/11/97 6:13:48 AM



15-083-21453-0000  
11/11/97 07:32

\*Mark of Schlumberger

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APR 20 2001  
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**JOB SUMMARY**

19065  
 KS  
 11-20-97  
 Hodgeman  
 5001  
 Lynn Grant  
 APE 15-083-214530  
 035  
 35-225-23w OPPY SOUTH FIELD

REGION North America  
 NW/COUNTRY midcontinent  
 MBU ID / EMP # NA0502 41489  
 LOCATION HAYS 25525  
 TICKET AMOUNT 13579  
 WELL LOCATION NW HAYSTON KS  
 LEASE / WELL # Billings 21 SWB  
 EMPLOYEE NAME Gail Palmberg  
 COMPANY MAXX Energy  
 WELL TYPE 11  
 DEPARTMENT 5001  
 SEC / TWP / RANG 35-225-23w

HES EMP NAME/EMP#(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)   HRS
G Palmberg 41489	L Laker N6872		
M Karlin G1511			

KANSAS CORPORATION COMMISSION  
 JUL 29 1998  
 CONSERVATION DIVISION  
 WICHITA KS

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth 5700

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
11-19-97	2220	11-20-97	11-20	11-20
			0530	0930

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLO
Casing	N	15.5	5 1/2	0	4974	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8	4974	5400	SHOTS/FT
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

18 BBI SUPERFLOST

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
11-20	9:12	11-20	7	CEMENT PROP C28 FOP FREE 4974 STAGE COLLAR 4975 Circulation throughout JOB
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_

**AVERAGE RATES IN BPM**

TREATED \_\_\_\_\_ Disp. \_\_\_\_\_ Overall \_\_\_\_\_

FEET 16  
 CEMENT LEFT IN PIPE \_\_\_\_\_ Reason SHO E SOINT

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/G.
	310	EA-2	B	5% Calceol 18% Salt 1/4" Floccul 3/4% CALAP-92Z 1/4" D-AUR	1.36	15.5

**RELEASED**

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: G - BBI 18 Type \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI \_\_\_\_\_ Pad: BBI - Gal \_\_\_\_\_  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI \_\_\_\_\_ Disp: BBI - Gal 121 X  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr G - BBI 75  
 Total Volume G - BBI 340

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE



JOB LOG 4239-5

REGION North America	NW/COUNTRY Midcontinent	TICKET # 19765	TICKET DATE 11-20-97
MOU ID / EMP # HA0502 41489	EMPLOYEE NAME GAIL Palmberg	BDA / STATE KS	COUNTY Halgerman
LOCATION Hays 25525	COMPANY MAXX ENERGY	PSL DEPARTMENT 5001	CUSTOMER RGP / PHONE Lyn Groat
TICKET AMOUNT 13579	WELL TYPE 11	API / WHP API 15-083 -214530	JOB PURPOSE CODE 035
WELL LOCATION NW HANSTON KS	DEPARTMENT 5001	LEASE / WELL # Billings #1 SWD	
SEC / TWP / RNG 35-225-23W		OPPY South field	

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
G Palmberg 41489	L Leiker H6872		
M Kadin 61511			

RECEIVED  
KANSAS CORPORATION COMMISSION

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	T <sub>g</sub>	C <sub>g</sub>	
11/9	2120							Called out
11/20	0110							On location
								Rig running NEW 6 1/2" CASING
								Discuss Job
								Set up Equipment
	0410							Casing etc 4974'
	0420							Rig up to circulate
								CIRCULATE FOR 1 HOUR
								DROP LATCH DOWN PLUG to set ESP PKR
		6				450		START Displacement
		1 1/2	013			300		slow displacement rate
			120					Plug down
	0600					2000		Pressure up to Set Packer
								Release Pressure
	0625							DROP Free Fall Plug
	0700					1000		DV Tool Open - Circulate 15 mins
	0725	4	18					Pump Super Flush
		4	4					Pump Fresh water spacer
	0840	5				200		START mixing cement
								310 SKS EA-2 STARRER cement
								57% Gelsol 18% salt 1 1/2% k Flocc
								3/4% HARR-322 1/2% DAIRISK
	0800		76					Cement mixed
								Wash out Pump-line
								Release Plug
	0803	5 1/2				0		START Displacement 10' slow rate 1 1/2 BPM 113
	0825		120			2150		plug down
	0830							Release pressure - DV closed
								WASH UP
								RACK UP
								- Job completed
								circulation through out job

Thank you  
Haul, Met & Lyle

RELEASED  
APR 20 2001

03-17-98 03:06A P.02



**HALLIBURTON ENERGY SERVICES**  
HAL-1908-P

CHARGE TO  
**MAXX ENERGY**  
ADDRESS  
**1000 112 4AVE S.W.**  
CITY STATE, ZIP CODE  
**Calgary Alberta Canada T2P 0N3**

ORIGINAL - BUREAU COPY (1)  
No. **197065 - [ ]**  
PAGE 1 OF 2

SERVICE LOCATIONS 1. <b>HAYS 25525</b>	WELL/PROJECT NO. <b>1 SWD</b>	LEASE <b>Billings</b>	COUNTY/PARISH <b>Hodgeman</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION <b>HANSTON KS</b>	DATE <b>11-20-97</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Duke Drig</b>	RIG NAME/NO <b>4</b>	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>Wellsite</b>	ORDER NO. <b>APE 5632</b>
3.	WELL TYPE <b>11</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO. <b>APE 15-083-214530</b>	WELL LOCATION <b>NW HANSTON KS</b>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <b>35-225-236</b>					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M		
000-117		1			MILEAGE	162	Mi	3.20	518
001-016		1			Pump Service	4974	ft	2038.00	2038
000-119		1			Crew Mileage	162	Mi	1.95	315
019-250		1			Plug Container	1EA	5 1/2 UN	550.00	550
018-317					Super Flush	18	sk	112.00	2016
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**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *[Signature]*  
DATE SIGNED **Nov 20 - 1997** TIME SIGNED  A.M.  P.M.

do  do not require IPC (Instrument Protection).  Not Offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <b>5438</b>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S) <b>8690</b>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <b>14128</b>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND							

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) **L.W. Grant** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) *[Signature]* HALLIBURTON OPERATOR/ENGINEER **Gail Palmberg** EMP # **41489** HALLIBURTON APPROVAL

FAX NO.: 1 913 625 2536

15-083-21453-0000

FROM: HES HAYS



HALLIBURTON  
HALLIBURTON ENERGY SERVICES

CUSTOMER	Midco Energy	WELL	Billings 1	9:36 PM	PAGE
Account # (s)	8853-7813			11/19/97	2

03:078

03-17-98

FRX NO.: 1 913 625 2536

HES HAYS

FROM:

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT	PRICE	AMOUNT	
		LOC	ACCT	DF		QTY	UOM				
504-308					Standard Cement	310	sk		\$10.83	\$3,357.30	
509-968					Salt	2400	lb.		\$0.17	\$408.00	
507-775					HALAD-322	219	lb.		\$7.70	\$1,686.30	
507-210					Flocele	78	lb.		\$1.90	\$148.20	
508-127					Cal Seal	15	sk		\$28.00	\$420.00	
507-970					D-AIR-1	78	lb.		\$3.55	\$284.70	
500-207					SERVICE CHARGE			CUBIC FEET	369	1.55	\$571.95
500-306					MILEAGE CHARGE			TOTAL WEIGHT	33,415		
								LOADED MILES	92		
								TON MILES	1537.090	1.18	\$1,813.77

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No. B 660208

CONTINUATION TOTAL \$ 8,690.2

ORIGINAL

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Daily Operations Report

15-083-21453-0000

**DATE:** NOV 24 1997  
**DAY:** 1  
**WELL NAME:** MAXX BILLINGS SWD #1  
**LOCATION:** SEC 35 T22S R23W  
**TOTAL DEPTH:** 5400' **PBTD:**  
**FORMATION:** ARBUCKLE  
**PERFORATIONS:** OPEN HOLE 4962' - 5400'  
**TYPE OF JOB:** COMPLETION  
**PRESENT ACTIVITY:** RIGGING UP POWER SWIVEL  
**RIG TIME:** 8 **TOTAL:** 8  
**SUPERVISOR:** RON ZUTZ  
**PHONE:** 403-350-1081

DAILY COST SUMMARY	
AFF#:	
AMOUNT:	
TYPE OF SERVICE	AMOUNT
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
SERVICE RIG PLAINS	1000
TRUCKING WAGNER	500
TRUCKING GABEL	300
TANK TRUCK SCHWIEN	200
D & S WELDING	150
CAT LEIKER	300
<hr/>	
DAILY COST:	3250
PREVIOUS COST:	
CUMMULATIVE COST:	3250

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OPERATION:

MOVED IN AND RIGGED UP SERVICE RIG. HAD TO PULL RIG IN WITH CAT. CUT OFF CASING STUB. HAD TROUBLE INSTALLING PRIMARY SEALS DUE TO CASING SLIPS MISALIGNED. INSTALLED TUBING SPOOL AND SECONDARY SEALS. RUBBER SEAL ON SECONDARY DAMAGED WHILE INSTALLING TUBING SPOOL. TALLIED, DRIFTED, PICKED AND RAN IN WITH 4 7/8" BIT ON 156 JOINTS 2 7/8" TUBING. TAGGED WIPER PLUG AT 4952.62' KB. SECURED WELL AND SDEN.

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15-083-21453-0000

**Daily Operations Report**

**DATE:** NOV 25 1997  
**DAY:** 2  
**WELL NAME:** MAXX BILLINGS SWD #1  
**LOCATION:** SEC 35 T22S R23W  
**TOTAL DEPTH:** 5398' **PBTD:**  
**FORMATION:** ARBUCKLE  
**PERFORATIONS:** OPEN HOLE 4971' - 5398'  
**TYPE OF JOB:** COMPLETION  
**PRESENT ACTIVITY:** RIGGING UP TO SWAB  
**RIG TIME:** 11 **TOTAL:** 19  
**SUPERVISOR:** RON ZUTZ  
**PHONE:** 403-350-1081

<b><u>DAILY COST SUMMARY</u></b>	
<b><u>AFE#:</u></b>	
<b><u>AMOUNT:</u></b>	
<b><u>TYPE OF SERVICE</u></b>	<b><u>AMOUNT</u></b>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
SERVICE RIG PLAINS	1300
SWIVEL PLAINS	700
<b>DAILY COST: 2800</b>	
<b>PREVIOUS COST: 3250</b>	
<b>CUMMULATIVE COST: 6050</b>	

**OPERATION:**

MOVED IN AND RIGGED UP POWER SWIVEL. DRILLED ON FLOAT COLLAR FOR 2 HOURS AND DRILLED THRU. DROPPED DOWN TO CASING SHOE AND DRILLED ON CASING SHOE 5 HOURS. HAD TROUBLE WITH BIT PLUGGING AND PLUG ROTATING. DRILLED THRU. CIRCULATED WELL CLEAN. RIGGED OUT POWER SWIVEL. RAN IN AND TAGGED BOTTOM AT 5398' KB. RIGGED UP TO CIRCULATE. CIRCULATED OUT HEAVEAY DRILLING MUD AND LOST CIRCULATION MATERIAL. LOST 50 BBLs WHILE CIRCULATING. PULLED 15 JOINTS TO POSITION END OF TUBING IN CASING AND SDN.

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Daily Operations Report

DATE: NOV 26 1997  
DAY: 3  
WELL NAME: MAXX BILLINGS SWD #1  
LOCATION: SEC 35 T22S R23W  
TOTAL DEPTH: 5398' PBTID:  
FORMATION: ARBUCKLE  
PERFORATIONS: OPEN HOLE 4971' - 5398'  
TYPE OF JOB: COMPLETION  
PRESENT ACTIVITY: OPERATIONS SUSPENDED FOR  
 THANKSGIVING  
RIG TIME: 9 TOTAL: 28  
SUPERVISOR: RON ZUTZ  
PHONE: 403-350-1081

<u>DAILY COST SUMMARY</u>	
<u>AFE#:</u>	
<u>AMOUNT:</u>	
<u>TYPE OF SERVICE</u>	<u>AMOUNT</u>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
SERVICE RIG PLAINS	1200
TUBING SEAL TITE	25000
LOADER LEIKER	400
<hr/>	
<b>DAILY COST:</b>	<b>27400</b>
<b>PREVIOUS COST:</b>	<b>6050</b>
<b>CUMMULATIVE COST:</b>	<b>33450</b>

OPERATION:

RIGGED UP TO SWAB. RAN IN AND TAGGED INITIAL FLUID LEVEL AT 1100'. PULLED 18 SWABS AND RECOVERED 113.5 BBLs MUDDY SALT WATER WITH SOME LOST CIRCULATION MATERIAL. SWABBING FLUID LEVEL STEADY AT 1250'. RIGGED OUT SWAB EQUIPEMENT. LOWERED TUBING 14 JOINTS TO 5390'. RIGGED UP TO SWAB. PULLED AN ADDITIONAL 5 SWABS AND RECOVERED 30.5 BBLs OF HEAVY MUD LOADED WITH LCM. SECURED WELL AND SDFN.

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Daily Operations Report

**DATE:** NOV 28 1997  
**DAY:** 4  
**WELL NAME:** MAXX BILLINGS SWD #1  
**LOCATION:** SEC 35 T22S R23W  
**TOTAL DEPTH:** 5398' **PETD:**  
**FORMATION:** ARBUCKLE  
**PERFORATIONS:** OPEN HOLE 4971' - 5398'  
**TYPE OF JOB:** COMPLETION  
**PRESENT ACTIVITY:** POOH WITH 2 7/8" TUBING  
**RIG TIME:** 9 **TOTAL:** 37  
**SUPERVISOR:** RON ZUTZ  
**PHONE:** 403-350-1081

<u>DAILY COST SUMMARY</u>	
<u>AFE#:</u>	
<u>AMOUNT:</u>	
<u>TYPE OF SERVICE</u>	<u>AMOUNT</u>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
SERVICE RIG PLAINS	1200
ACID PUMPER SWIFT	3800
<hr/>	
<b>DAILY COST:</b>	<b>5800</b>
<b>PREVIOUS COST:</b>	<b>33450</b>
<b>CUMMULATIVE COST:</b>	<b>39250</b>

ORIGINAL

OPERATION:

RAN IN HOLE WITH 14 JOINTS AND LANDED TUBING END AT 5390'. RIGGED UP TO SWAB. RAN IN AND TAGGED INITIAL FLUID LEVEL AT 1250'. PULLED 24 SWABS AND RECOVERED 200.45 BBLs MUDDY SALT WATER AND LOST CIRCULATION MATERIAL. RECOVERED WATER CLEANING UP BY 14:00 HOURS. MOVED IN AND RIGGED UP SWIFT PUMP TRUCK. ATTEMPTED TO CIRCULATE WELL. PUMPING 5.5 BBLs/MIN COULD NOT REGAIN CIRCULATION. PUMPED 52 BBLs 20% FE HCL ACID DOWN TUBING TO SPOT ACID ACROSS OPEN HOLE. CLOSED CASING. LET ACID SOAK FOR 15 MIN. PUMPED REMAING 19 BBLs ACID AND DISPLACED WITH 60 BBLs PRODUCED WATER AT A RATE OF 6.1 BBLs/MIN. PRESSURED UP TO 300 PSI AND FORMATION BROKE. COULD NOT KEEP UP TO FLUID AT 6.3 BBLs/MIN. OVER FLUSHED ACID WITH 160 BBLs PRODUCED WATER AT 6.4 BBLs/MIN ( MAX RATE) ON VACUUM. WELL CABABLE OF INJECTION RATE IN EXCESS OF 9200 BBLs/D. RIGGED OUT PUMP TRUCK. PULLED 14 JOINTS TO POSITION BIT BACK INSIDE CASING. SECURED WELL AND SDFN.

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Daily Operations Report

DATE: NOV 29 1997  
DAY: 5  
WELL NAME: MAXX BILLINGS SWD #1  
LOCATION: SEC 35 T22S R23W  
TOTAL DEPTH: 5398' PBTD:  
FORMATION: ARBUCKLE  
PERFORATIONS: OPEN HOLE 4971' - 5398'  
TYPE OF JOB: COMPLETION  
PRESENT ACTIVITY: RIH WITH 3 1/2" TUBING  
RIG TIME: 9 TOTAL: 46  
SUPERVISOR: RON ZUTZ  
PHONE: 403-350-1081

<u>DAILY COST SUMMARY</u>	
<u>AFE#:</u>	
<u>AMOUNT:</u>	
<u>TYPE OF SERVICE</u>	<u>AMOUNT</u>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
SERVICE RIG PLAINS	1200
<b>DAILY COST:</b>	<b>2000</b>
<b>PREVIOUS COST:</b>	<b>39250</b>
<b>CUMMULATIVE COST:</b>	<b>41250</b>

OPERATION:

PULLED OUT OF HOLE WITH 2 7/8" TUBING SIDEWAYS. REMOVED TUBING SPOOL AND REPLACED SECONDARY SEAL IN WELL HEAD. TALLIED, PICKED UP AND RAN IN HOLE WITH 3 1/2" SEAL TITE TUBING WITH AN INTERNALLY COATED 5 1/2" BAKER R-3 PACKER ON BOTTOM. RAN IN WITH 105 JOINTS TUBING. VERY SLOW RUNNING DUE TO HIGH WIND. SECURED WELL AND SDFN.

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well file  
15-083-21453-0000

**Daily Operations Report**

**DATE:** NOV 30 1997  
**DAY:** 6  
**WELL NAME:** MAXX BILLINGS SWD #1  
**LOCATION:** SEC 35 T22S R03W  
**TOTAL DEPTH:** 5398' **FBID:**  
**FORMATION:** ARBUCKLE  
**PERFORATIONS:** OPEN HOLE 4971' - 5398'  
**TYPE OF JOB:** COMPLETION  
**PRESENT ACTIVITY:** WELL SHUT IN WO TIE IN  
**RIG TIME:** 6 **TOTAL: 52**  
**SUPERVISOR:** RON ZUTZ  
**PHONE:** 403-350-1081

<b>DAILY COST SUMMARY</b>	
<b>AFF#:</b>	
<b>AMOUNT:</b>	
<b>TYPE OF SERVICE</b>	<b>AMOUNT</b>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
SERVICE RIG PLAINS	1200
PACKER BAKER	2600
TANK TRUCK SCHWEIN	300
<b>DAILY COST: 4900</b>	
<b>PREVIOUS COST: 41250</b>	
<b>CUMMULATIVE COST: 46150</b>	

**OPERATION:**

FOUND WELL DEAD. CONTINUED RUNNING IN HOLE WITH 3 1/2" SEAL TIE TUBING TUBING. RAN PACKER TO SET POSITION AND INSTALLED WELLHEAD BY SCREWING TUBING TO BONNET. MIXED UP FRESH WATER WITH TREATOLITE CRW0037F CORROSION INHIBITOR AND DISPLACED ANNULUS WITH 80 BBLS. PICKED UP AND SET PACKER WITH 15000 # COMPRESSION. FILLED ANNULUS WITH INHIBITED WATER. PRESSURE TESTED TO 100 PSI. HELD GOOD. FINAL TUBING INSTALLATION AS FOLLOWS:

1	- 2 7/8" FIBERGLASS TUBING PUP	10.00'	4957.77' KB
1	- 5 1/2" BAKER R-3 DOUBLE GRIP PACKER INTERNALLY COATED	6.21'	4941.56' KB
1	- 2 7/8" X 3 1/2" INTERNALLY COATED TUBING SWEDGE	.38'	
162	- JOINTS 3 1/2" SEAL TIE TUBING WITH COLLAR INSERTS	4933.90'	
1	- 3 1/2" INTERNALLY COATED TUBING NIPPLE	.78'	
<b>TOTAL TALLY</b>		<b>4951.27'</b>	
<b>DISTANCE "H"</b>		<b>6.50'</b>	
<b>TUBING END AT</b>		<b>4957.77'</b>	

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RIGGED OUT SERVICE RIG AND MOVED SAME TO BILLING HZ # 1. SDFN.

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