

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

CONFIDENTIAL

API NO. 15- 135 - 24021 - 01 - 00

County Ness

NE - NE - SE Sec. 13 Twp. 20S Rge. 23 X <sup>E</sup> <sub>W</sub>

Operator: License # 31961

Name: Buried Hills Production Company Inc

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

City/State/Zip Calgary, Alberta Canada

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

Operator Contact Person: Bud Berger

Phone (316) 339-3848

Contractor: Name: Nabors Drilling

License: 32105

Wellsite Geologist: Jeffrey Barkley, Barry Fisleh

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SION  Temp. Abd.  
 Gas  ENHR  Other (Cathodic, etc)  
 Dry  Other (Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: DEC 2 2 1997

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

Comp. Date \_\_\_\_\_

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

Sept. 3/97 Sept 15/97 Sept. 29 1997  
Spud Date Date Reached TD Completion Date

2445 Feet from S/W (circle one) Line of Section

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

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

Lease Name Whitley Well # 2 Hz

Field Name Riverside

Producing Formation Mississippian Osage

Elevation: Ground 2221' KB 2233.4

Total Depth 5840 PBTB 5840

Amount of Surface Pipe Set and Cemented at 1464 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 6-25-98  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used None, Fluids Removed off site

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Buried Hills Production Company, Inc.

Lease Name Sipes #1 Hz License No. 31961

NE Quarter Sec. 21 Twp. 22 S Rng. 22 E/W

County Hodgeman Docket No. 194,855-C  
(C-28,104)

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 [Signature]

Title Manager Production Date Dec 17/97

Subscribed and sworn to before me this 17 day of Dec. 19 97.

Notary Public [Signature]

Date Commission Expires Not Applicable

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
RELEASED  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)  
DEC 28 2001

MICHAEL B. NIVEN  
Barrister & Solicitor

Operator Name Buried Hills Production Company Inc Lease Name Whitley Well # 2 Hz

Sec. 13 Twp. 20S Rge. 23  East  West County Ness

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	LANSING	3772	
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BONNER SPRINGS SHALE	3781	
List All E.Logs Run:	None	BASE KC	4033	
		MARMATON	4074	
		PAWNEE	4128	
		LABETTE SHALE	4220	
		FT. SCOTT	4227	
		CHEROKEE	4250	
		MISS. WARSAW	4317	
		MISS. OSAGE	4335	

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 Casing	12 1/4	9 5/8	36	1464	Std	890	3% CACL
Intermediate	8 3/4	7	23	4674	Std Std	365 265	8% GBL + 75% .75% CFR-3
Liner		4 1/2" Slotted	9.5	4537	N/A	N/A	N/A

CFR-3

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	N/A			
<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 4674' - 5840'		
		RELEASED	
		1007 2 8 2001	

TUBING RECORD	Size 2 7/8"	Set At 3878.95'	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CONFIDENTIAL
Date of First, Resumed Production, SWD or Inj.	Oct 1/97	Producing Method	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil 75 Bbls.	Gas TSTM Mcf	Water 1400 Bbls.	Gas-Oil Ratio	Gravity 380

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 4674' - 5840'

06/25/98 THU 11:10 FAX 403 266 8022 FROM: HES HAYS  
 06-25-98 03:45A P.02  
 MAXX PETROLEUM FAX NO. 1 913 625 2536



CHARGE TO: Buried Hills Production Co. LTD  
 ADDRESS: 1000 112 4th AVE SW  
 CITY STATE ZIP CODE: Calgary Alberta Canada

ORIGINAL - DUPLICAN COPY TICKET  
 No. 197040-1

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>WAYS 25525</u>	WELL PROJECT NO. <u>2 HZ</u>	LEASE <u>maxx Whitley</u>	COUNTY PARISH <u>NESS</u>	STATE <u>Ks</u>	CITY OR SHORE LOCATION <u>Ness City Ks</u>	DATE <u>9-12-97</u>	CURRENT <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Nabors Delg</u>	REG NAME NO <u>296</u>	SUPPLIER <u>Wellsite</u>	ORDER NO.	
3.	SALES <input type="checkbox"/>	WELL TYPE	WELL CATEGORY <u>01</u>	WELL PURPOSE <u>035</u>	WELL IDENTIFY <u>151352402100009-S 5-E NESS CITY K.</u>	WELL LOCATION	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>SEC 18-20s-22w</u>					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	EF		U/M	U/M		
000-117				28	MILEAGE	150	Mi	3.20	480.00
001-016					Pump Service	4674	Fl	2038.00	2038.00
030-016					Top Plug	1	EA	99.00	99.00
018-303					Clafix II	2	GAL	30.50	61.00

ORIGINAL

RELEASED

FROM CONFIDENTIAL

FROM CONFIDENTIAL

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.		SUB SURFACE SAFETY VALVE WAS <input type="checkbox"/> PULLED & RETURNED <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	2678.6
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		WE UNDERSTOOD AND MET YOUR NEEDS?				FROM CONTINUATION PAGE(S)	13773.5	
BEAN SIZE	SPACERS	OUR SERVICE WAS PERFORMED WITHOUT DELAY?		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SUB-TOTAL APPLICABLE LINES WILL BE ADDED ON ORDER	16451.15	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	AND YOU SATISFIED WITH OUR SERVICE?		<input type="checkbox"/> YES <input type="checkbox"/> NO						
TUBING SIZE	TUBING PRESSURE	TREE CONNECTION		TYPE VALVE						

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES**

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): Bud Berger

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature]

DATE SIGNED: [Signature]

TIME SIGNED:  A.M.  P.M.

DATE SIGNED: [Signature]

TIME SIGNED: [Signature]

DATE SIGNED: [Signature]

TIME SIGNED: [Signature]



**HALLIBURTON ENERGY SERVICES**

**TICKET CONTINUATION**

TICKET No. 147040

011159  
86-25-98

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT	PRICE	AMOUNT
		LOC	ACCT	DT						
04-308					Standard Cement	630	sk		\$10.83	\$6,822.90
07-277					Halliburton Gel Additional	27	sk		\$21.40	\$577.80
07-153					CFR-3	444	lb.		\$5.75	\$2,553.00
					<b>SERVICE CHARGE</b>					
					<b>MILEAGE CHARGE</b>					
					<b>TOTAL WEIGHT</b>	62,364				
					<b>LOADED MILES</b>	75				
					<b>CUBIC FEET</b>	684			1.55	\$1,060.20
					<b>TON MILES</b>	2338.650			1.18	\$2,759.61

**CONTINUATION TOTAL \$ 13,773.51**

ORIGINAL

FROM COMMENTS

PRELIMINARY

MILE 2 3 2001

FROM COMMENTS

08/25/98 THU 11:11 FAX 403 286 8022 FROM: HES MAXX PETROLEUM 913 625 2536

o. B 660116

FROM: HES HAYS  
MALLIBORUM

FAX NO.: 1 913 625 2536

06-25-98 03:47R P.04

JOB SUMMARY

197040

TICKET DATE  
4-12-97

REGION North America	RWA/COUNTRY MID continent	BOAT/STATE KS	COUNTY NESS
WELL ID/ENP # NAC 502 41989	EMPLOYEE NAME G.A. Palmberg	REL DEPARTMENT 5001	
LOCATION HAYS 25525	COMPANY Buried Hills Prod Co Ltd	CUSTOMER REP / PHONE Bud Berger	
TICKET AMOUNT 16452	WELL TYPE 01	API/UWI # API 15-135-240210100	
WELL LOCATION 9.5 S-E Ness C. by KS	DEPARTMENT 5005	JOB PURPOSE CODE 035	
BASE / WELL # MEXX Whitley - RHZ	SEC / TWP / RNG 18-20s-22w	River View	

HES EMP NAME/ENP#/EXPOSURE (HOURS)	HRS	HES EMP NAME/ENP#/EXPOSURE (HOURS)	HRS	HES EMP NAME/ENP#/EXPOSURE (HOURS)	HRS	HES EMP NAME/ENP#/EXPOSURE (HOURS)	HRS
G Palmberg 41989							
E Reynolds 47358							
M Kadlin 6-1511							
P Chatham H7804							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
41326	150						
53557	150						
4774-5070	150						
3860	135						

ORIGINAL

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

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug 5-W 7	1	HES
Head		
Packer		
Other		

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 _____	
Perpac Balls _____	Qty. _____	
Other _____		
Other 2 gal. Maxifix		
Other _____		
Other _____		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
TIME	9-11 2:30	9-12 0:30	9-12 0:30	9-12 0:45

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	36	7	0	9674
Liner					
Liner					
Top/D.P.					
Top/D.P.					
Open Hole					
Perforations					
Perforations					
Perforations					

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
9-12	4.5	9-12	1.5	CEMENT OUT 7" PHO 0.59
TOTAL		TOTAL		

ORDERED \_\_\_\_\_ HYDRAULIC HORSEPOWER \_\_\_\_\_  
 TREATED \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_  
 FEET 35 CEMENT LEFT IN PIPE \_\_\_\_\_  
 Reason SHOE JOINT

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	365	STD	8	8% GEL 3/4% CFR-3	1.92	13.1
	265	STD	8	3/4% CFR-3	1.18	15.6

Circulating _____	Displacement _____	Flush: _____	Gal - BBI _____	20	Type _____
Breakdown _____	Maximum _____	Load & Bkch: _____	Gal - BBI _____		Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment _____	Gal - BBI _____		Disp: BBI - Gal _____
Shut In: Instant _____	5 Min _____	Cement Slurr _____	Gal - BBI _____	181	185
	18 Min _____	Total Volume _____	Gal - BBI _____	384	

From Ring #1 \_\_\_\_\_ From Ring #2 \_\_\_\_\_ From Ring #3 \_\_\_\_\_ From Ring #4 \_\_\_\_\_  
 THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

HALLIBURTON

JOB LOG 4230-5

TICKET #

197040

TICKET DATE

9-12-97

REGION North America

NWA/COUNTRY MIDcontinent

DDA/STATE KS

COUNTY NESS

WELL/EMP# HAc 502 41489

EMPLOYEE NAME Gail Palmberg

REL DEPARTMENT 5001

LOCATION Hays 25525

COMPANY Buried Hills Prod Co Ltd

CUSTOMER REF/PHONE Bud Berger

TICKET AMOUNT 16452

WELL TYPE 01

API 15-135-240210100

WELL LOCATION 7.5 S-E Ness C. by KS

DEPARTMENT 5005

JOB PURPOSE CODE 035

WELL NAME/WHY MAXX Whitley - 2 HZ

SEC / TWP / RANG 18-20S-22W

RIVERVIEW

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			
E Berger 47558			
M Kralen 61511			
J Chatham 47804			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)	JOB DESCRIPTION / REMARKS
				T	C		
	2130						Called out
	2135						On Location
							Casing & TD Rig up to circulate
							Wait for 2nd Buick truck circulating
							Cement on location
							Rig up to pump truck
0335	5	20			250		Pump 200 CLASH II water pre flush
0340	6				300		SCABE mixing CEMENT
							365 lbs standard 97% GR-3
							265 lbs SCREWED 91% CFR-3
0417	6	180			200		Cement mixed
							WASH out pump-line
							Release Plug
0420	6				200		START Displacement
	3	180			720		slow pump rate
0455		185			1200		Plug down
0500							Release Pressure - float held
							Wash up
							Back up
0600							Job completed

Thank you  
Hail, Eldon, Mel & Bud

RELEASED

DATE 8/20/11

TIME 11:29 AM

Div. Controller

FROM: GCS

INITIAL

06-25/98 THU 11:13 FAX 403 266 8022 FROM: HES HAYS  
 06-25-98 03:36R P.1/B1  
 MAXX PETROLEUM PRX NO. 1 913 625 2534



HALLIBURTON ENERGY SERVICES  
 HAL-1000-P

ORDER TO  
**Buried Hills Prod. Co. Ltd**  
 ADDRESS  
 1000 112 4<sup>th</sup> AVE S.W. T2P 0N3  
 CITY STATE ZIP CODE  
**Calgary, Alberta Canada**

ORIGINAL - DUNCAN COPY TICKET

No. 197037-

PAGE 1 OF 13

SERVICE LOCATIONS 1. <b>KAYS 25525</b>	WELL PROJECT NO 2 <b>HZ</b>	LEASE <b>MAXX WHITLEY</b>	COUNTY PARISH <b>Ness</b>	STATE <b>KS</b>	CITY/TOWNSHIP LOCATION <b>Ness City KS</b>	DATE <b>9-4-97</b>	OWNER <b>DAME</b>
2	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	APPROXIM <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Nabors Ddg</b>	RIG NAME NO <b>296</b>	SHIPPED <b>CT</b>	DELIVERED TO <b>website</b>	ORDER NO <b>AFE# 5620</b>
3	WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>010</b>	APR 15-155-240310100		9-8 5-E Ness city K	
4	REFERRAL LOCATION	WELL INSTRUCTIONS		SEC 13-20s-23w Riverside field			

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DP			UM		UM	
000-117		1		32	MILEAGE	150	M	3.20		480
001-016		1		32	Pump Service	1470	Ft	1322	00	1322
030-016		1		32	Top Plug	1	EA	165	00	165
507-244		1		32	Cement Dye	20	Lb	6	00	120
001-018		1		32	ADD. HRS	2	EA	291	00	582

ORIGINAL

**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

*[Signature]*  
 DATE SIGNED TIME SIGNED

AM  
 P.M.

do  do not require IPC (Instruments Protection)  Not Offered

SUB SURFACE SAFETY VALVE WAS  
 PULLED & RETURN  VALVED  RUN

TYPE LOCK	DEPTH	
BEAR SIZE	SPACERS	
TYPE OF EQUALIZING SUB	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

**SURVEY**

AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHIN SPECIFICATIONS?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	2669
FROM CONTINUATION PAGE(S)	16058
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED OTHERWISE	187276

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES**

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <i>Bud Bezer</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>[Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>Gail Palmberg 41489</i>	HALLIBURTON APPROVAL
---	--	---	----------------------

007

06-25-98 03:37A P.02

06/25/98 THU 11:14 FAX 403 266 8022  
FROM: HES HRYS

MAXX PETROLEUM  
FRX NO.: 1 913 625 2536



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

TICKET No. 197037

FORM 1011 R-10  
CUSTOMER: Burred Hills Prod Co Ltd WELL: MAXX Uhdy 2 HZ DATE: 9-4-97 PAGE 3 OF 3

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC.	ACCT	OF		QTY.	U/M	QTY.	U/M		
504-308				32	Standard Cement	115	sk		10.83	1245	
509-406					Potassium Chloride	3	sk		46.90	140	
RECEIVED SEP 20 2001 FROM: HES HRYS MAXX PETROLEUM ORIGINAL											
SERVICE CHARGE						CUBIC FEET		121		1.55	187.5
MILEAGE CHARGE						TOTAL WEIGHT		414.37		1.18	488.9
						LOADED MILES					

No. B 339431

CONTINUATION TOTAL 2062.6



008  
P.B.S

031374  
96-28-98

MAXX PETROLEUM  
913 625 2536

FRX NO. 1

THU 11:15 FAX 403 266 8022

08/25/98  
FROM HES HRVS



**HALLIBURTON ENERGY SERVICES**

**TICKET CONTINUATION**

TICKET No. 197037

CHECKS (\$)		CUSTOMER		WELL		DATE		PAGE	
444-5678		Dashed Hills Production		MAXX Whitley #2 HZ		9/3/97		2	
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		UM	UM		
504-308				32	Standard Cement	775	sk	\$10.83	\$8,393.25
509-406					Calcium Chloride	22	sk	\$46.90	\$1,031.80
ORIGINAL									
00-207					SERVICE CHARGE	CUBIC FEET	819	1.55	\$1,269.45
00-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	
						74,610	75	2797.875	1.18
									\$3,301.49

**CONTINUATION TOTAL**  
\$ 13,995.99

No. B 680097

FROM: HES HRYS HALLIBURTON

JOB SUMMARY #339-1

TICKET #	197037	TICKET DATE	9-4-97
SDA/STATE	KS	COUNTY	NESS
WELL LOCATION	9 S 5-E NESS Cty KS		
DEPARTMENT	5005	JOB PURPOSE CODE	810
EMPLOYEE NAME	GAIL PALMBERG		
COMPANY	Burrill Hills Prod Co Ltd		
CUSTOMER REP / PHONE	Bud Berger		
APL / UWI #	APE 15-135-240210100		

REGION	North America	MW/COUNTRY	MIDCONTINENT
WELL ID / EMP #	HMS02 71489	EMPLOYEE NAME	Gail Palmberg
LOCATION	HAYS 25525	WELL TYPE	OL
TICKET AMOUNT	18728	DEPARTMENT	5005
SEC/TWP/RNG	SEC 13-20S-23W Riverside 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 91489			
M Kerlan 01511			
Z Pagan 11652			
D Fuik 70763			

HES UNIT NUMBERS	RT MILES	HES UNIT NUMBERS	RT MILES	HES UNIT NUMBERS	RT MILES	HES UNIT NUMBERS	RT MILES
71326	150	52418	150				
53557	150						
4444-5070	150						
2259-7613	150						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth 1470

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug 5W 95/8	1	HES
Head		
Packer		
Other CMT DYE	20	Lbs

**MATERIALS**

Treat Fluid _____	Density _____	Lb/Gal _____
Disp. Fluid _____	Density _____	Lb/Gal _____
Prop. Type _____	Size _____	Lb. _____
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 _____	In _____
Perpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
		9-4	9-4	9-4	9-4
		0030	0530	0900	1930

**WELL DATA**

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing N	36	9 5/8	0	1470	
Liner					
Liner					
Top/D.P.					
Top/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

**HOURS ON LOCATION**

DATE	HOURS
9-4	19
TOTAL	

**OPERATING HOURS**

DATE	HOURS
9-4	14
TOTAL	

**DESCRIPTION OF JOB**

CEMENT PLUG SURFACE CEMENTING

**HYDRAULIC HORSEPOWER**

ORDERED	Available	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason

Reason: Short Joint

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	590	STD	B	3% CC	1.12	15.5

Circulating _____	Displacement _____	Preflush: _____	Grp. BBI <u>OUT 20</u>	Type <u>OUT OIL</u>
Breakdown _____	Maximum _____	Load & Bkdn: _____	Grp. BBI <u>20FW SPACER</u>	Disp: BBI - Gal
Average _____	Frac Gradient _____	Treatment _____	Grp. BBI _____	Disp: BBI - Gal <u>112</u>
Shut In: Instant _____	5 Min _____	15 Min _____	Cement Slurr _____	Grp. BBI <u>187</u>
			Total Volume _____	Grp. BBI <u>329</u>

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: [Signature]

FROM: HES HAYS

FAX NO.: 1 913 625 2536



JOB LOG 4238-3

TICKET #	197037	TICKET DATE	9-4-97
REGION	North America	BOX/STATE	K5
NW/COUNTRY	MIDCENTRAL	COUNTY	NESS
EMPLOYEE NAME	Gail Palmberg	PSL DEPARTMENT	5001
LOCATION	HAYS 25525	CUSTOMER REF / PHONE	Bob Berger
TICKET AMOUNT	18728	API / UNIT	API 15-135-240210100
WELL LOCATION	9-S 5-E NESS C. L. K5	DEPARTMENT	5005
LEASE / WELL	Maxx Whitley 2HZ	WELL TYPE	01
		SEC/TWP/RNG	13-20S-23W
		JOB PURPOSE CODE	010
			Riverview 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			
M Kacker 61511			
T. Hancock 141682			
D. F. Lk 40763			

CHART NO.	TIME	RATE (BPM)	VOLUME (BB.) (GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	TDI	CIG	
	0930							Called out
	0930							On location Rig stacking casing
								Discuss job
								Set up equipment
								Casing on bottom
								Rig up to circulate
								Rig up to pump truck
	0940	4	10			250		Pump 4 1/2" water
	0945	5	70			250		Pump Fresh water - spacer
	0930	5				300		Start mixing cement
								775 lbs Std 3 1/2" cc
		8	155					Lost circulation
		2	165					Stop mixing rate
	1015							Stop mixing cement 760 lbs
								Take out sludge Put plug in CSG
	1020	3/4				2000		Start displacement
	1030	3				1000		Displacing cement
	1040	4				1100		Displacing cement
	1050	5				1200		Displacing cement
	1055	3	185			950		Displacing cement
	1100		112			1350		Plug down
	1100							Release pressure - Flat Well
								Wash up equipment
								ORDER 150 lbs Std 3 1/2" cc Cement
								run 1" pipe to cement 200-1-5
	1510							Run 1" pipe to 210'
	1715	1			150			mix 1 pump cement
								100 lbs Std 3 1/2" cc
	1740		21					Cement to surface
			6					Wash up
								Back up
	1900							Job completed
								USED TOTAL OF 890 lbs Std 3 1/2" cc

ORIGINAL

Thank you  
 Ann, Mel, Jim & Dicky

Well File

1

MAXX Whitley #2 HZ NE - NE - SE 13-20S-23W API# 15-135-24021-01-00**MAXX PETROLEUM LTD.****RECOMPLETION PROGRAM****ORIGINAL****WELL DATA:**

Well Name: MAXX Whitley #2 HZ NE-NE-SE-13-20S-23W

Field: Riverside

Surface Location: NE-NE-SE-13-20S-23W Ness County Kansas

Bottom Location: NW-NE-SW-18-20S-23W

API #: 15-135-24021-01-00

K.B. Elevation: 2233.40 ft

K.B. - Grd.: 12.40 ft

C.F. Elevation: 2233.00 ft

K.B. - C.F.: 12.00 ft

Grd. Elevation: 2221.00 ft

DrillComplete & ETP

AFE #: A5620

A5631

AFE Cost Est.: \$515,100 (US)

\$148,900

Surface Casing: 9-5/8", 36 lb/ft, J-55, 8RD, ST&C set at 1464.1 ft KB. Cement with 890 sacks cement + 3% CaCl<sub>2</sub>. Stage # 1 was with 760 sacks to bottom and Stage # 2 was with 130 sacks used to fill annulus from 210 ft to surface with 1" pipe outside casing.

Inter. Casing: 7", 23 lb/ft, J-55, 8RD, LT&C set at 4674.0 ft MD (4346.4 ft TVD). Cement with 365 sacks cement + 8.0% Gel + 0.75 % CFR-3 and 265 sacks cement + 0.75 % CFR-3.

Well is kicked off at 3747.0 ft KB and directionally drilled on a long radius bend of 10°/100 ft. The wellbore is at 88.4° horizontal at casing set point of 4674.0 ft (4346.4 ft TVD) and is set in the Osage at 94.2° direction.

Burst: 4,360 psi  
Collapse: 3,270 psi  
Capacity: 0.2210 ft<sup>3</sup>/ft  
Drift: 6.241 in.  
JT. Strength: 313,000 lb

Liner Casing: 4-1/2", 9.5 lb/ft, J-55, 8RD, ST&C casing run to TD. Toe section has 721.1 ft of slotted casing. ECP set at 5053.2 ft with solid pup joints on either side (total 38.9 ft solid pipe). Heel section has

FROM CONFIDENTIAL

Maxx Whitley #2 H2 NE - NE - SE 13-20S-23W API# 15-135-24021-01-00

338.9 ft of slotted casing and then 126.1 ft solid casing into 7" casing. Top liner hanger-packer at 4537.7 ft.

**Open Hole:** A 6-1/8" open hole section has been drilled horizontally for 1166.0 ft at a bearing of 87.3° to terminate 1730.6 ft east and 169.3 ft south of well centre to be in NW-NE-SE-18-20S-23W. The directional survey is attached.

**O.H. Capacity:** 0.2046 ft<sup>3</sup>/ft in 6-1/8" hole

**T.D.:** 5840.0 ft MD, 4357.5 ft TVD

**BHT:** ° F static

**BHP:** psi

<b>Production Tubing:</b>	<b>Size O.D. (in)</b>	2-7/8
	<b>Linear Density (lb/ft)</b>	6.50
	<b>Grade</b>	J-55
	<b>Drift I.D. (in)</b>	2.347
	<b>Capacity (ft<sup>3</sup>/ft)</b>	0.03250
	<b>Collapse (psi)</b>	7,680
	<b>Internal Yield (psi)</b>	7,260
	<b>Jt. Yield Strength (lb)</b>	99,660

ORIGINAL

JUN 29 1998

**Objective:** Complete for Osage Oil production FROM CONFIDENTIAL

**Directions:** From Ness City Kansas go south on Highway # 203 for 9 miles. East for 5 miles, south 0.5 miles, and west to location.

**Oil Gravity:** 40° API (est.)

**Gas Gravity:** 0.68 (est.)

**Water Salinity:** 180,000 ppm (est.)

**PROCEDURE:**

1. Move in and rig up service rig.
2. Remove one casing valve, install bull plug and install surface casing vent in open position on second valve. Trim casing stub to leave stick up for wellhead. Install secondary pack-offs on casing bowl. Install tubing spool. Pressure test to 300 psi and 2,000 psi for 15 minutes. Record serial numbers on wellhead diagram.
3. Install and function test BOP stack. Pressure test blind rams, casing head and casing to 200 psi and 2,000 psi for 10 minutes. RIH with a plugged 2-7/8" tubing joint. Pressure test pipe rams and stabbing valve to 200 psi and 2,000 psi for 10 minutes. Test annular BOP to 200 psi and 2,000 psi. Check accumulator recharge and motor kills.
4. Run in to TD (5840 ft) with 1,350 ft of 2-3/8" tubing, a 2-3/8 x 2-7/8" crossover and 2-7/8" tubing.

Maxx Whitley #2 HZ NE - NE - SE 13-209-23W API# 15-135-24021-01-00

5. Circulate over to oil.
6. Pull and stand tubing.
7. Pick up a 4-1/2" double grip packer and run on 600 ft of 2-3/8" tubing, a 2-3/8 x 2-7/8" crossover and 2-7/8" tubing. Set the packer in the middle of the ECP (+/- 5,053 ft).
8. Rig up to swab and swab the toe of the well to recover drilling mud and test inflow. Contact Calgary office with test results. Rig out swab equipment.
9. Pull and stand tubing. Run in the 4-1/2" double grip packer on 2-7/8" tubing and set in the solid 4-1/2" casing at the top of the liner string (+/- 4550 ft)
10. Rig up to swab and swab the open hole from 4674 ft to TD to recover drilling mud and evaluate fluid inflow. Contact Calgary office with results. Rig out swab equipment.
11. Unseat packer. Pull and stand tubing. Lay down packer.
12. Run in 2-7/8" tubing and bottomhole pump to produce the well. Pump design and setting depths to be determined from analysis of swab results.
13. Remove BOP's and install wellhead. Rig out service rig.

PREPARED BY:



DATE: 97-09-17

2000 10 10

JAN 29 1999

FROM CONFIDENTIAL

ORIGINAL

Maxx Whitley #2 HZ NE - NE - SE 13-20S-23W API# 15-135-24021-01-00

**Contacts:**

Maxx Petroleum Ltd. - Calgary

Jeff Parkinson  
(Production Superintendent)

Office: (403) 750-1184  
Home: (403) 948-2618  
Cellular: (403) 660-3976  
Fax: (403) 263-0865

John Wearing  
(Manager Production)

Office: (403) 750-1224  
Home: (403) 547-0476  
Cellular: (403) 660-7420

Jeff Yates  
(Exploration Geologist)

Office: (403) 750-1172  
Home: (403) 247-9421  
Cellular: (403) 861-1949

David Lapinskie  
(Drilling Engineer)

Office: (403) 750-1213  
Home: (403) 239-4001  
Fairmont: (250) 345-0089  
Cellular: (403) 651-5572  
Fax: (403) 239-4001

Completions Supervisors:

Ron Zutz  
(Service Rig Superintendent)

Cellular: (403) 357-4643  
Hotel: (913) 798-3617  
Hotel Fax: (913) 798-3279  
Ness City Kansas

FROM [unclear]

JUN 29 1998

FROM [unclear] GAL

ORIGINAL

**CONFIDENTIAL**

**LITHOLOGY STRIP LOG**

**WellSight Systems Inc.**

Scale 1:240 Imperial

DEC 22 1997

15-135-24021-0100

Well Name: **MAXX WHITLEY #2**  
 Location: **Sec 13, T20S R23W and Sec 18 T20S R22W, Ness County, KS**  
 Licence Number: **Region: Riverside**  
 Spud Date: **3 September 1997** Drilling Completed: **9 Sep 1997 (cp)**  
 Surface Coordinates: **2245' FSL, 215' FEL**  
**Section 13, T20S R23W**  
 Bottom Hole Coordinates: **SW/4 (see horizontal log for final BHL)**  
**Section 18, T20S R22W**  
 Ground Elevation (ft): **2221'** K.B. Elevation (ft): **2233'**  
 Logged Interval (ft): **4250' To: 4670'** Total Depth (ft): **4670' (cp)**  
 Formation: **Mississippian Osage**  
 Type of Drilling Fluid: **Salt-gel to casing point at 4670'**

ORIGINAL

Printed by STRIP.LOG from WellSight Systems Inc. 1-800-447-1534

**OPERATOR**

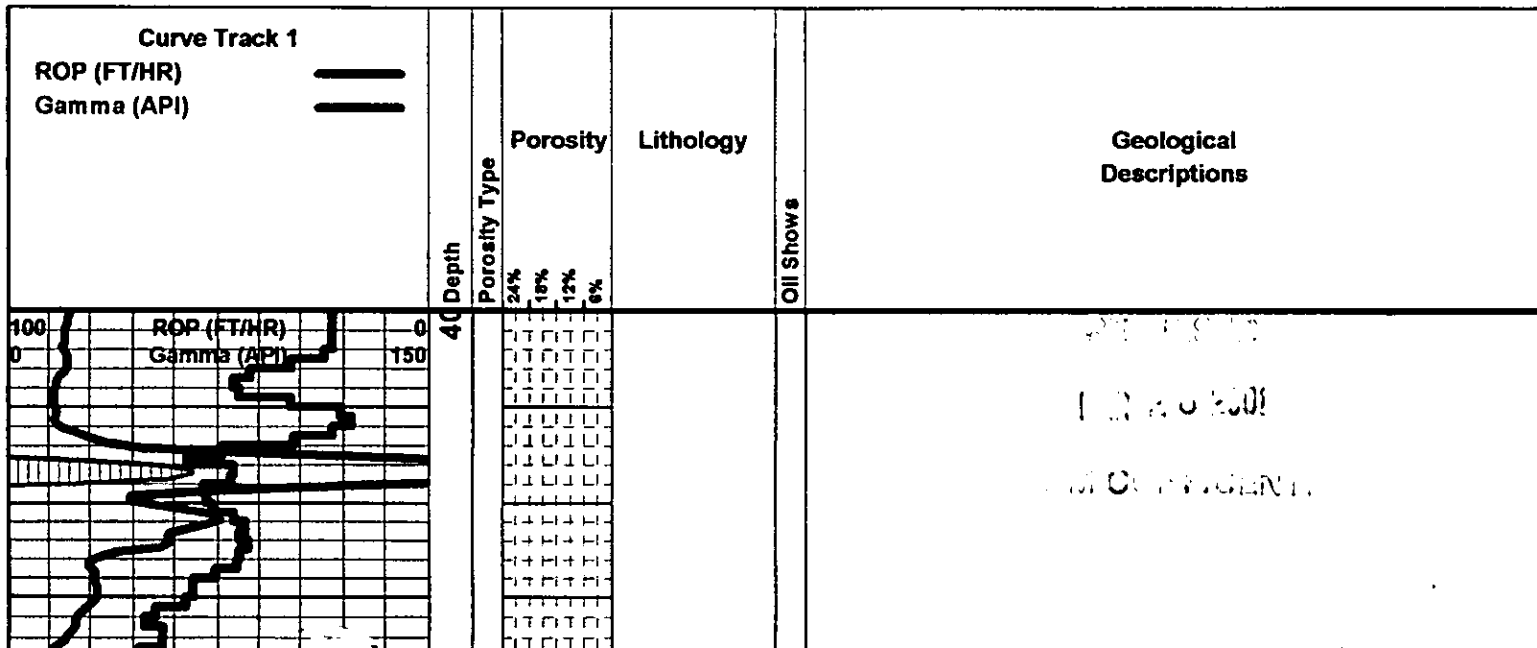
Company: **MAXX PETROLEUM LTD**  
 Address: **1000, 112 -4TH Avenue SW**  
**Calgary, Alberta T2P OH3**

**GEOLOGIST**

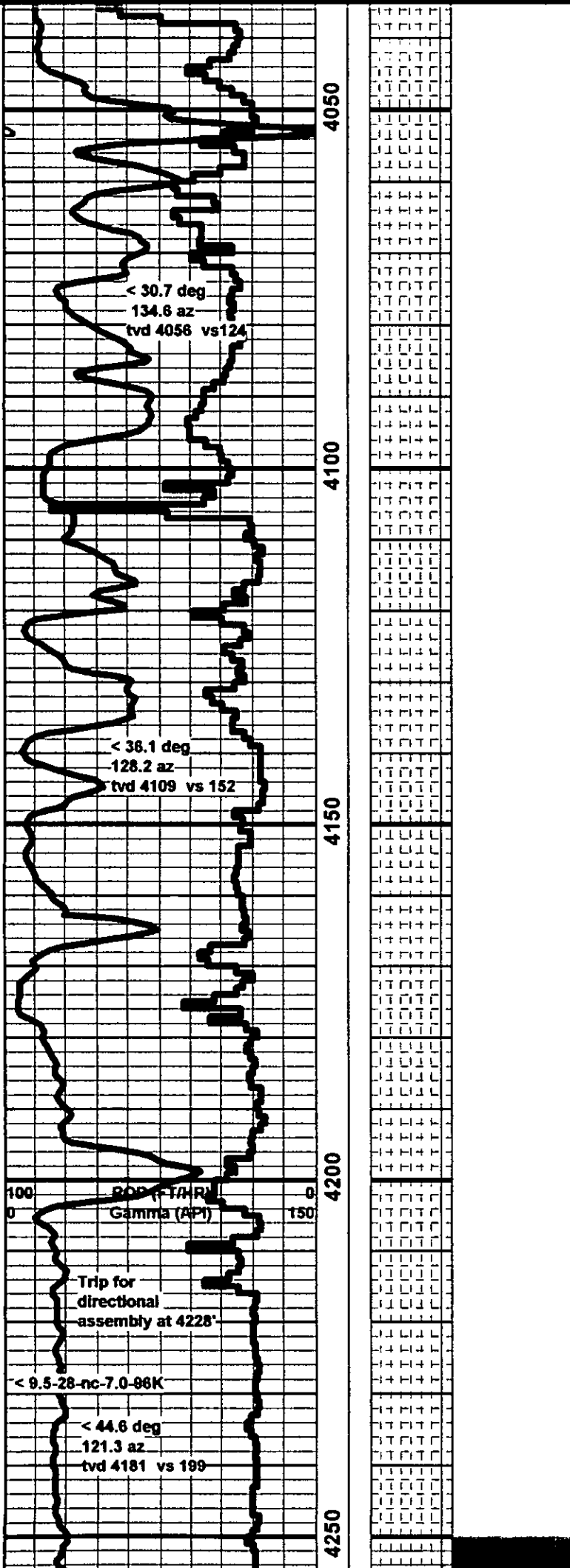
Name: **Jeff Barkley and Barry Fisler**  
 Company: **Goolsby Brothers and Associates**  
 Address: **1645 Court Place, ste 303**  
**Denver, Colorado 80202**  
**303-893-1718**

**COMMENTS**

Mud reports (track 1) format: < wt-vis-wl-pH-CI  
 CASING: 9 5/8" to 1470'. 7" set to 4670'.  
 This log ends at casing point. Continued to total depth in horizontal format.  
 MWD survey and gamma ray data from Sperry-Sun.







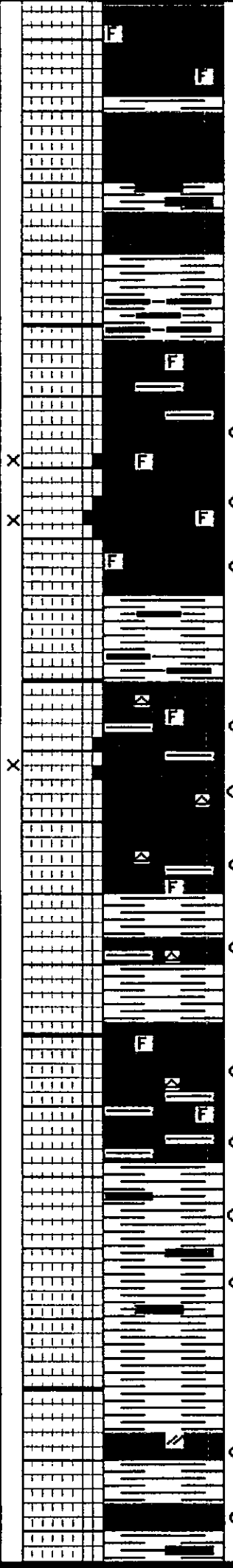
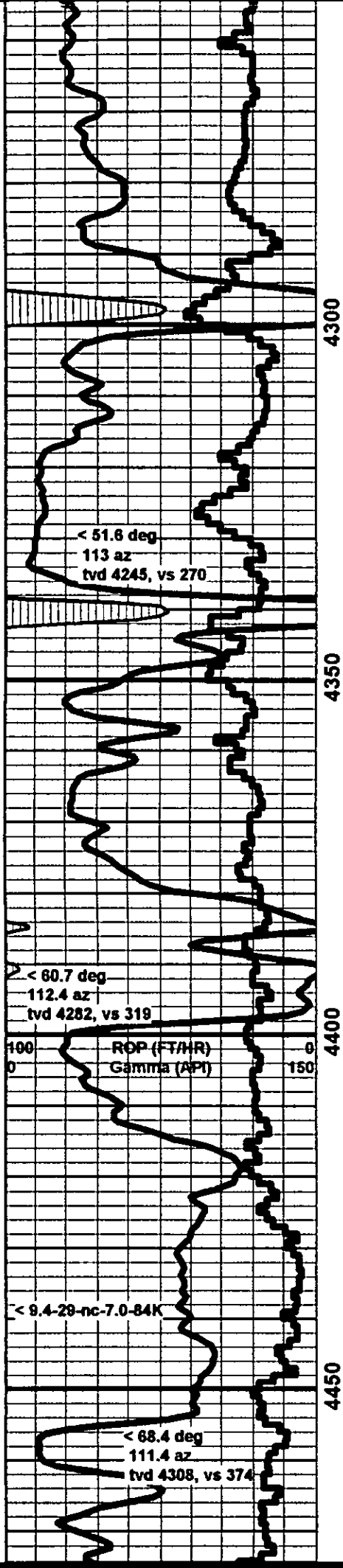
**BASE KANSAS CITY @ 4049' MD**  
**4033' TVD (-1800'), VS 114'**

**MARMATON @ 4096' MD**  
**4074' TVD (-1841'), VS 133'**

**PAWNEE @ 4163' MD**  
**4128' TVD (-1895), VS 180'**

**DRILLING 8 3/4" HOLE w/ BIT #3 RTC HP51H in @ 3747'**

**START CUTTINGS EXAMINATION AT 4250' MD**



com fos frags, tr chty, tt, n shows. SH (25%) dk-m gy, sb-pity to tab, slty, frm-hd, occ carb. Cavings (15%) red brn to red SH.

SH (50%) m-dk gy, sb-pity, frm-occ hd, slty, occ carb. LS (40%) as above. Cvgs (10%).

SH (75%) dk-m gy, occ blk, sb-pity-sb-biky, slty, com carb, frm-hd. LS (20%) as above. Cvgs (5%).

**FT SCOTT @ 4301'MD**  
**4227' TVD (-1994), VS 249'**

LS (60%) off-wh, occ tan, mudst-wkst, com fos frags, occ rexl, hd-frm, gen dns, mostly p vis por, occ sply dk brn o stn, mod bri yel flor, v slo bldg cut. SH (40%) v dk-m gy, sb-pity, gen carb, slty, frm-hd.

**CHEROKEE SHALE @ 4338' MD**  
**4250' TVD (-2017), VS 276'**

LS (60%) off-wh, occ tan, tr v lt gy, mudst-wkst, com fos frags, occ rexl, hd-frm, gen dns, n-v sl arg, occ chty, tr vug por, tr sply brn o stn, mod bri yel flor, slo bldg cut. SH (40%) dk-m gy, occ vcol, hd-frm, sb-pity-biky, com carb, slty.

LS (60%) off-wh, wh, lt gy, lt tan, mudst, hd, most cin, tr sl arg, scat cir & trnsl vf-f rexl patch, occ fos frag, tr cht, rr styl, most dns & tt, v p vis por, sme w/ v lt yel flor & slo milky cut. SH (40%) m to dk gy, mnr blk, sme v carb. tr red Permian cvgs.

LS (55%) off-wh, wh, tan, mudst w/ mnr wkst, hd, most cin, var no to com fos frags, sme w/ vf rexl patch, most w/ v p vis por, tr w/ mod yel flor & sl wk milky yel cut. SH (40%) lt to m gy, mnr dk gy, carb, tr pyr. CVGS (5%) most Permian red sh.

LS (55%) off-wh, tan, mudst w/ tr wkst, hd, var cin to mot w/ arg mat, sme w/ tr fos frags, occ w/ vf rexl patch, tr cht, most w/ v p vis por, tr w/ mod yel flor & sl wk milky yel cut. SH (40%) lt to m gy, incr in gy-gn, incr in dk gy & blk, often carb, tr pyr. CVGS (5%) most Permian red sh.

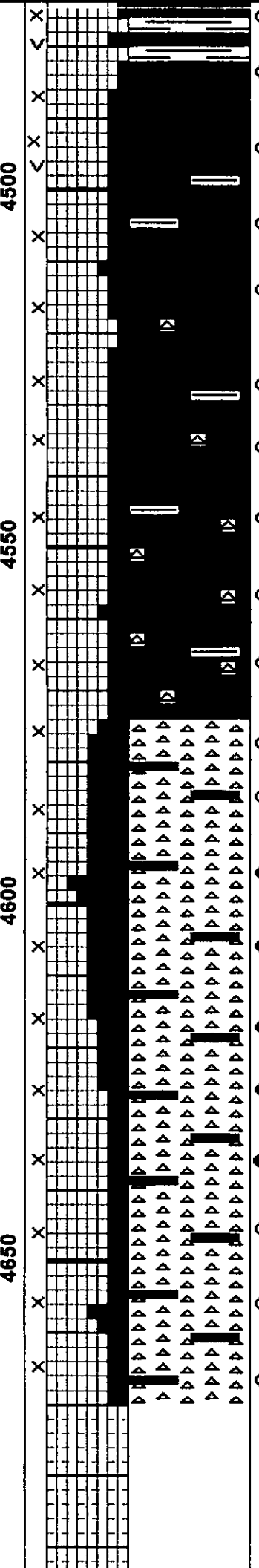
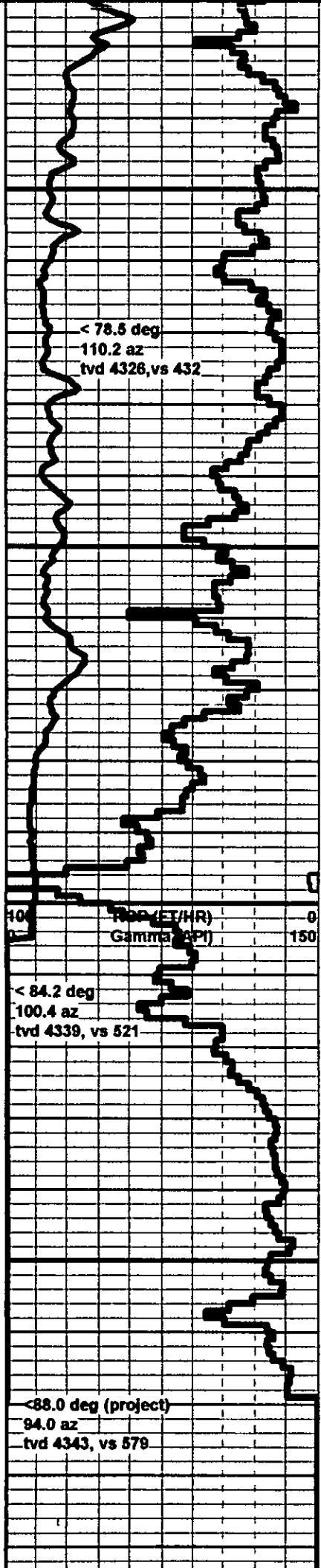
SH (50%) lt to m gy, my-gn, mnr mar, tr yel-gn, frm, pity, sme v sl sdy. LS (45%) similar to above, sme w/ mod yel flor & slo milky cuts. CVGS (5%).

SH (50%) lt to m gy, incr in gy-gn & mar, tr yel-gn & yel, frm, pity, sme lmy, occ sl sdy. LS (45%) similar to above, sme w/ mod yel flor & slo milky cuts. CVGS (5%).

SH (45%) lt to m gy, gy-gn, mar, mnr yel-gn & yel, frm, pity, often mot apr, sme lmy, occ sdy. LS (45%) off-wh, tan, mudst w/ mnr wkst, hd, var cin to arg, dns, tt, occ w/ lt yel flor & slo milky yel cut. CVGS (10%).

**MISSISSIPPIAN WARSAW @ 4483'**  
**4317' TVD (-2084), VS 398'**

LS (45%) off-wh, lt tan, lt gy, mudst & wkst, hd, var cin to mod arg, sme w/ com fos frags, rr cir c sd incl, rr cir xin qtz or calc incl, v p



vis por, sme w/ mod yel flor & sld milky yel cut. SH (40%) pred lt gy & gy-gn, similar to above. DOL (10%) off-wh, lt tan, micxl, hd, dns, v p to n vis por, tr w/ lt yel flor & mod milky yel flor.

DOL (20%) lt tan, lt brn, off-wh, micxl, hd, 50% w/ p dev mic-suc por w/ var lt to dk brn o stn, tr w/ p-p o stn vug, v fnt odor, mod to bri yel flor, fst stmg cut flor. LS (40%), similar to above, sme dolc. SH (40%) as above.

DOL (50%) off-wh, tan, lt brn, micxl, hd, dns, occ mic-suc por w/ m to dk brn o stn, tr p-p o stn vugs, sl odr, mod to bri yel flor, fst stmg cuts. SH (40%) dk-m gy, occ lt gn & lt gy. LS (10%) as above.

DOL (60%) off-wh, tan, occ brn, micxl, hd, gen dns, occ mic-suc por w/ m to dk brn o stn, occ p-p o stn vugs, sl odr, mod to bri yel flor, fst stmg cuts. SH (35%) dk to m gy, lt gn, occ vcol. CHT (5%) trnsi, milky wh, tr trip.

DOL (60%) off-wh, tan, occ brn, micxl, com hd & dns, incr mic-suc por w/ m to dk brn o stn, v sl odr, mod to bri yel flor, fst stmg cuts. SH (30%) dk to m gy, incr vcol, occ imbed sd grs, mot i.p. CHT (10%) trnsi, milky wh.

**OSAGE POROSITY @ 4575' MD  
TVD 4335' (-2102), VS 485'**

DOL (60%) off-wh, tan, occ brn, micxl, hd, com dns, com mic-suc por w/ m to dk brn o stn, v sl odr, mod to bri yel flor, fst stmg cuts. CHT (30%) trnsi, milky wh, occ spic, tr trip. SH (10%) vcol, dk gy

DOL (50%) off-wh, tan, brn, micxl, hd, com mic-suc w/ p por & spty to near evn m to dk brn o stn, bri yel flor, sl odr, g fst stmg cuts, tr vugs. CHT (40%) milky wh, trnsi, tr trip. SH (10%) as above

CHT (50%) milky wh, trnsi, com spic, tr trip. DOL (40%) tan, off-wh, brn, micxl, occ chky, gen mic-suc w/ p-fr por & spty brn o stn, bri yel flor, sl odr, g fst stmg cuts.

CHT (50%) milky wh, trnsi, com trip, occ spic. DOL (45%) off-wh, tan, occ brn, micxl, hd, com dns, occ mic-suc w/ p por & spty brn o stn, sl odr, mod bri yel flor, fr fst stmg cuts. SH (5%) lt gn.

CHT (60%) milky wh, trnsi, v lt gy, occ trip, tr spic. DOL (30%) as above, occ mic-suc w/ p por & spty brn o stn, v sl odr, mod bri yel flor, fr fst stmg cuts. SH (10%) mostly lt gn.

**7" casing point reached at 4670'  
Well log continued in horizontal format**


4700


Jeff Barkley  
Barry Fisler

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

RECORDED  
KANSAS CORPORATION COMMISSION

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.  
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
THE VERTICAL SECTION ORIGIN IS WELL HEAD.  
THE VERTICAL SECTION WAS COMPUTED ALONG 93.68 (TRUE).  
CALCULATION METHOD: MINIMUM CURVATURE.

DEC 22 1997

CONSERVATION DIVISION  
12-22-97

5840' SYV IS ESTIMATED PROJECTION T/BIT DEPTH @ TD

ORIGINAL

RECORDED  
INDEXED  
DEC 22 1997

RECORDED

DEC 22 1997

CONSERVATION DIVISION

CONFIDENTIAL

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

REGULATED  
BY THE CORPORATION COMMISSION

DEC 22 1997

Customer ... : BURIED HILLS PROD CO  
Platform ... : A  
Slot/Well .. : 1 /WHITLEY #2 HZ

ORIGINAL

REGISTRATION DIVISION  
TULSA, OK

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
4732.90	89.90	93.30	4343.00	232.04 S	627.75 E	641.35	7.51
4764.19	89.70	91.90	4343.11	233.46 S	659.01 E	672.63	4.52
4796.29	90.30	90.50	4343.11	234.13 S	691.10 E	704.70	4.75
4827.99	90.20	89.10	4342.97	234.02 S	722.80 E	736.33	4.43
4859.62	88.70	87.30	4343.28	233.03 S	754.41 E	767.81	7.41
4891.28	87.90	85.60	4344.22	231.07 S	785.99 E	799.20	5.93
4922.88	89.40	85.10	4344.96	228.51 S	817.48 E	810.46	5.00
4954.55	90.70	83.90	4344.93	225.47 S	849.00 E	861.72	5.59
4986.28	90.50	82.70	4344.60	221.77 S	880.51 E	892.93	3.83
5017.98	90.60	82.30	4344.30	217.63 S	911.94 E	924.03	1.30
5049.66	88.90	82.40	4344.44	213.42 S	943.34 E	955.09	5.38
5081.36	86.40	81.80	4345.73	209.06 S	974.71 E	986.11	8.11
5113.05	86.10	81.80	4347.81	204.55 S	1006.00 E	1017.06	0.95
5144.73	87.90	82.40	4349.47	200.21 S	1037.34 E	1048.05	5.99
5176.43	86.40	82.10	4351.04	195.94 S	1068.71 E	1079.08	4.83
5208.14	88.10	82.60	4352.56	191.72 S	1100.10 E	1110.14	5.59
5239.84	88.80	82.20	4353.42	187.53 S	1131.51 E	1141.21	2.54
5271.59	89.30	83.30	4353.95	183.52 S	1163.00 E	1172.38	3.81
5303.33	88.00	85.60	4354.69	180.45 S	1194.58 E	1203.70	8.32
5335.13	86.40	85.00	4356.25	177.85 S	1226.24 E	1235.12	5.37
5366.87	86.90	86.50	4358.10	175.50 S	1257.83 E	1266.50	4.97
5398.63	89.10	87.40	4359.21	173.81 S	1289.53 E	1298.02	7.48
5430.34	91.50	88.80	4359.04	172.76 S	1321.22 E	1329.58	8.76
5462.09	91.80	90.10	4358.13	172.46 S	1352.95 E	1361.23	4.20
5493.73	91.40	90.40	4357.25	172.60 S	1384.58 E	1392.80	1.58
5525.43	90.50	90.40	4356.72	172.82 S	1416.27 E	1424.44	2.84
5557.14	92.30	90.20	4355.95	172.98 S	1447.97 E	1456.09	5.71
5588.79	92.80	90.00	4354.54	173.04 S	1479.59 E	1487.65	1.70
5620.37	91.20	89.60	4353.44	172.93 S	1511.15 E	1519.13	5.22
5652.01	89.60	90.10	4353.22	172.85 S	1542.79 E	1550.70	5.30
5683.78	87.30	90.30	4354.08	172.96 S	1574.54 E	1582.40	7.27
5715.49	88.50	90.10	4355.24	173.07 S	1606.23 E	1614.03	3.84
5747.19	88.80	89.40	4355.98	172.93 S	1637.92 E	1645.64	2.40
5779.00	89.00	87.80	4356.60	172.15 S	1669.72 E	1677.32	5.07
5790.00	89.20	87.30	4356.77	171.68 S	1680.70 E	1688.26	4.90
5840.00	89.20	87.30	4357.47	169.33 S	1730.64 E	1737.94	0.00

RECORDED

DEC 23 1997

REGISTRATION DIVISION

CONFIDENTIAL

ATTN  
DAVE LAPINSKIE

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

ORIGINAL

Customer ... : BURIED HILLS PROD CO  
Platform ... : A  
Slot/Well .. : 1 /WHITLEY #2 HZ

MEASURED DEPTH	ANGLE DEG	DIRBCTION DEG	TVD	NORTHINGS FBRT	EASTINGS FBRT	VERTICAL SECTION	DOG LEG
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
1456.00	0.00	0.00	1456.00	0.00 N	0.00 E	0.00	0.00
1496.00	2.10	34.10	1495.99	0.61 N	0.41 E	0.37	5.25
1947.00	2.70	57.70	1946.60	13.13 N	14.02 E	13.15	0.25
2398.00	1.90	66.80	2397.24	21.75 N	29.87 E	28.42	0.19
2859.00	1.40	64.30	2858.05	27.20 N	41.97 E	40.14	0.11
3334.00	0.70	95.20	3332.97	29.45 N	50.09 E	48.10	0.18
3695.00	0.90	67.70	3693.93	30.33 N	54.91 E	52.85	0.12
3726.71	0.70	109.90	3725.64	30.36 N	55.32 E	53.26	1.91
3758.49	1.90	116.90	3757.41	30.05 N	55.98 E	53.93	3.80
3790.25	5.20	128.40	3789.11	28.92 N	57.57 E	55.60	10.58
3821.93	9.20	127.60	3820.53	26.48 N	60.71 E	58.88	12.63
3853.70	13.10	136.30	3851.70	22.33 N	65.21 E	63.64	13.34
3885.41	16.70	143.00	3882.34	16.09 N	70.43 E	69.26	12.57
3917.15	19.60	144.80	3912.49	8.14 N	76.31 E	75.63	9.19
3948.82	22.00	140.00	3942.10	0.70 S	83.25 E	83.12	8.80
3980.51	23.50	136.40	3971.33	9.83 S	91.42 E	91.86	6.46
4012.23	25.60	135.10	4000.18	19.26 S	100.62 E	101.65	6.84
4043.49	27.60	134.30	4028.57	29.26 S	110.73 E	112.38	6.40
4075.73	30.70	134.60	4056.29	40.09 S	121.76 E	124.08	9.78
4107.46	33.70	130.10	4083.14	51.45 S	134.27 E	137.29	12.10
4139.17	36.10	128.20	4109.15	62.90 S	148.34 E	152.07	8.31
4170.84	39.00	126.20	4134.25	74.55 S	163.72 E	168.17	9.93
4202.57	42.10	124.00	4158.36	86.40 S	180.60 E	185.77	10.76
4234.26	44.60	121.30	4181.41	98.13 S	198.92 E	204.80	9.82
4266.03	46.60	117.20	4203.64	109.20 S	218.72 E	225.28	11.16
4297.64	48.60	114.90	4224.95	119.44 S	239.69 E	246.86	8.30
4329.36	51.60	112.80	4245.30	129.27 S	261.94 E	269.70	10.73
4361.02	55.90	113.00	4264.02	139.20 S	285.46 E	293.80	13.59
4392.79	60.70	112.40	4280.71	149.63 S	310.39 E	319.35	15.19
4424.43	64.30	111.50	4295.31	160.11 S	336.42 E	346.00	11.65
4456.14	68.40	111.40	4308.03	170.73 S	363.44 E	373.65	12.93
4487.97	73.10	110.90	4318.52	181.57 S	391.46 E	402.31	14.84
4519.64	78.50	110.20	4326.29	192.34 S	420.20 E	431.68	17.18
4551.42	81.70	108.20	4331.75	202.63 S	449.76 E	461.84	11.82
4583.18	82.40	104.00	4336.15	211.35 S	479.98 E	492.55	13.28
4612.00	84.20	100.40	4339.51	217.40 S	507.95 E	520.85	13.89
4701.34	91.80	95.40	4343.25	229.65 S	596.28 E	609.79	9.44

CONFIDENTIAL  
FOR COMMISSION  
DEC 22 1997

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

DEC 23 2001

CONFIDENTIAL

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

CONFIDENTIAL

API NO. 15- 135 - 24021 - 01 - 00

County Ness

NE - NE - SE Sec. 13 Twp. 20S Rge. 23 X <sup>E</sup> <sub>W</sub>

2445 Feet from S/N (circle one) Line of Section

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

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

Lease Name Whitley Well # 2 Hz

Field Name Riverside

Producing Formation Mississippian Osage

Elevation: Ground 2221' KB 2233.4

Total Depth 5840 PBDT 5840

Amount of Surface Pipe Set and Cemented at 1464 Feet

Multiple Stage Cementing Collar Used? Yes X 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 6-25-98  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used None, Fluids Removed off site

Location of fluid disposal if hauled offsite:

Operator Name Buried Hills Production Company, Inc.

Lease Name Sipes #1 Hz License No. 31961

NE Quarter Sec. 21 Twp. 22 S Rng. 22 E/W

County Hodgeman Docket No. 194,855-C  
(C-28,104)

Operator: License # 31961

Name: Buried Hills Production Company Inc

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

City/State/Zip Calgary, Alberta Canada

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

Operator Contact Person: Bud Berger

Phone (316) 339-3848

Contractor: Name: Nabors Drilling

License: 32105

Wellsite Geologist: Jeffry Barkley, Barry Fisher

Designate Type of Completion  
X New Well Re-Entry Workover

X Oil SWD SLOW Temp. Abd.  
Gas ENHR  
Dry Other (Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: DEC 22 1997 KLC

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

Comp. Date DEC 18 CONSERVATION DIVISION  
ADMIT Total Depth

Deepening Re-perf. Conv. CONFIDENTIAL  
Plug Back PBDT  
Commingled Docket No.  
Dual Completion Docket No.  
Other (SWD or Inj?) Docket No.

Sept. 3/97 Sept. 15/97 Sept. 29 1997  
Spud Date Date Reached TD Completion Date

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 [Signature]

Title Manager Production Date Dec 17/97

Subscribed and sworn to before me this 17 day of Dec. 19 97.

Notary Public \_\_\_\_\_

Date Commission Expires Not Applicable

MICHAEL B. NIVEN  
Barrister & Solicitor

K.C.C. OFFICE USE ONLY					
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached			
C	<input checked="" type="checkbox"/>	Wireline Log Received			
C	<input checked="" type="checkbox"/>	Geologist Report Received			
Distribution					
<input type="checkbox"/>	KCC	<input type="checkbox"/>	SWD/Rep	<input type="checkbox"/>	NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/>	Plug	<input type="checkbox"/>	Other
			(Specify)		



Operator Name Buried Hills Production Company Inc Lease Name Whitley Well # 2 Hz

Sec. 13 Twp. 20S Rge. 23  East  West  
 County Ness

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:  
 None

Name	Top	Datum
LANSING	3712	
BONNER SPRINGS SHALE	3781	
BASE KC	4038	
MARMATON	4074	
PAWNEE	4128	
LABETTE SHALE	4220	
FT. SCOTT	4227	
CHEROKEE	4250	
MISS. WARSAW	4317	
MISS. OSAGE	4335	

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 Casing	12 1/4	9 5/8	36	1464	Std	890	3% CACLY
Intermediate	8 3/4	7	23	4674	Std	265	8% GBL + 75% CFR-3
Liner		4 1/2" Slotted	9.5	4537	N/A	N/A	N/A

CFR-3

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	N/A			
<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 4674'-5840'		

TUBING RECORD	Size 2 7/8"	Set At 3878.95'	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---------------	-------------	-----------------	-----------	---

Date of First, Resumed Production, SWD or Inj. Oct 1/97	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
---	--

Estimated Production Per 24 Hours	Oil 75 Bbls.	Gas TSTM Mcf	Water 1400 Bbls.	Gas-Oil Ratio	Gravity 380
-----------------------------------	--------------	--------------	------------------	---------------	-------------

Disposition of Gas: METHOD OF COMPLETION  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 4674'-5840'  
 (If vented, submit ACO-18.)  Other (Specify)

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

CONFIDENTIAL

Operator: License # 31961

Name: Buried Hills Production Company Inc

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

City/State/Zip Calgary, Alberta Canada

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

Operator Contact Person: Bud Berger

Phone (316) 339-3848

Contractor: Name: Nabors Drilling

License: 32105

Wellsite Geologist: Jeffry Barkley, Barry Fisher

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SOW  Temp. Abd.  
 Gas  ENHR  
 Dry  Other (Cathodic, etc.)

If Workover/Reentry: Old Well Info as follows:

Operator: DEC 22 1997 KLC

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

Comp. Date: DEC 18  
Total Depth \_\_\_\_\_

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

Sept. 3/97 Sept 15/97 Sept. 29 1997  
Spud Date Date Reached TD Completion Date

API NO. 15- 135 - 24021 - 01 - 00

County Ness

-NE - NE - SE Sec. 13 Twp. 20S Rge. 23  <sup>E</sup>/<sub>W</sub>

2445 Feet from  <sup>S</sup>/<sub>N</sub> (circle one) Line of Section

215 Feet from  <sup>E</sup>/<sub>W</sub> (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE,  <sup>S</sup>/<sub>N</sub>, NW or SW (circle one)

Lease Name Whitley Well # 2 Hz

Field Name Riverside

Producing Formation Mississippian Osage

Elevation: Ground 2221' KB 2233.4

Total Depth 5840 PBDT 5840

Amount of Surface Pipe Set and Cemented at 1464 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 6-25-98  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used None, Fluids Removed off site

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Buried Hills Production Company, Inc.

Lease Name Sipes #1 Hz License No. 31961

NE Quarter Sec. 21 Twp. 22 S Rng. 22  <sup>E</sup>/<sub>W</sub>

County Hodgeman Docket No. 194,855-C

(C-28,104)

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 [Signature]  
Title Manager Production Date Dec 17/97  
Subscribed and sworn to before me this 17 day of Dec.  
19 97.  
Notary Public [Signature]  
Date Commission Expires Not Applicable

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)

MICHAEL B. NIVEN  
Barrister & Solicitor

Operator Name Buried Hills Production Company Inc Lease Name Whitley Well # 2 Hz  
 Sec. 13 Twp. 20S Rge. 23  East County Ness  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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>LANSING</b>	<b>3712</b>	
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>BONNER SPRINGS SHALE</b>	<b>3781</b>	
List All E.Logs Run:	None	<b>BASE KC</b>	<b>4033</b>	
		<b>MARMATON</b>	<b>4074</b>	
		<b>PAWNEE</b>	<b>4128</b>	
		<b>LABETTE SHALE</b>	<b>4220</b>	
		<b>FT. SCOTT</b>	<b>4227</b>	
		<b>CHEROKEE</b>	<b>4250</b>	
		<b>MISS. WARSAW</b>	<b>4317</b>	
		<b>MISS. OSAGE</b>	<b>4335</b>	

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 Casing	12 1/4	9 5/8	36	1464	Std	890	3% CACL
Intermediate	8 3/4	7	23	4674	Std Std	365 265	3% GBL + 75% .75% CFR-3
Liner		4 1/2" Slotted	9.5	4537	N/A	N/A	N/A

CFR-3

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	N/A			
<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 <b>4674' - 5840'</b>		

TUBING RECORD	Size <b>2 7/8"</b>	Set At <b>3878.95'</b>	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Oct 1/97				
Estimated Production Per 24 Hours	Oil <b>75</b> Bbls.	Gas <b>TSTM</b> Mcf	Water <b>1400</b> Bbls.	Gas-Oil Ratio <b>380</b>

Disposition of Gas: METHOD OF COMPLETION  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled **4674' - 5840'**  
 (If vented, submit ACO-18.)  Other (Specify): \_\_\_\_\_

**CONFIDENTIAL**

**ORIGINAL**

TO: OILFIELD  
S INFORMATION COMMISSION

DEC 22 1997

**Daily Operations Report**

CONSERVATION DIVISION

**DATE:** SEPT 18 97  
**DAY:** 1  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' **PBID:** 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** POOH WITH TUBING  
**RIG TIME:** 12 **TOTAL:** 12  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

<b>DAILY COST SUMMARY</b>	
<b>AFF#:</b>	5631
<b>AMOUNT:</b>	148900
<b>TYPE OF SERVICE</b>	<b>AMOUNT</b>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
RIG EXPRESS	1500
TRUCKING GABEL	500
RENTALS WEATHERFORD	1200
PUMP TRUCK SWIFT	750
<b>DAILY COST: 4750</b>	
<b>PREVIOUS COST:</b>	
<b>CUMMULATIVE COST: 4750</b>	

**OPERATION:**

MOVED IN AND RIGGED UP SERVICE RIG. RAN IN WITH 44 JOINTS 2 3/8" TUBING AND 142 JOINTS 2 7/8" TUBING. TAGGED END OF LINER AT 5829' KB. MOVED IN AND RIGGED UP PUMP TRUCK. REVERSE CIRCULATED WELL WITH CRUDE OIL. AFTER PUMPING 156 BBLs OIL AND RETURNING ONLY 119 BBLs MUD THE 2" SCREWED NIPPLE INTO THE TUBING HANGER BLEW OUT OF THE THREADS. LOST ABOUT 2 BBLs OIL FROM THE CASING. CLEARED THREADS WITH TAP AND REINSTALLED CASING VALVE. PUMPED AN ADDITIONAL 119 BBLs OIL AND COULD NOT REGAIN CIRCULATION. SECURED WELL AND SDFN.

RELEASED

DEC 20 2001

FROM CONFIDENTIAL

100-1081-1081  
 100-1081-1081  
 100-1081-1081

DEC 22 1997

CONSERVATION DIVISION  
WICHITA, KS

CONFIDENTIAL

ORIGINAL

Daily Operations Report

**DATE:** SEPT 18 97  
**DAY:** - 1  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' **PBTD:** 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** POOH WITH TUBING  
**RIG TIME:** 12 **TOTAL:** 12  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

<u>DAILY COST SUMMARY</u>	
<b>AFF#:</b>	5631
<b>AMOUNT:</b>	148900
<b>TYPE OF SERVICE</b>	<b>AMOUNT</b>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
RIG EXPRESS	1500
TRUCKING GABEL	500
RENTALS WEATHERFORD	1200
PUMP TRUCK SWIFT	750
<b>DAILY COST:</b>	<b>4750</b>
<b>PREVIOUS COST:</b>	
<b>CUMMULATIVE COST:</b>	<b>4750</b>

OPERATION:

MOVED IN AND RIGGED UP SERVICE RIG. RAN IN WITH 44 JOINTS 2 3/8" TUBING AND 142 JOINTS 2 7/8" TUBING. TAGGED END OF LINER AT 5829' KB. MOVED IN AND RIGGED UP PUMP TRUCK. REVERSE CIRCULATED WELL WITH CRUDE OIL. AFTER PUMPING 156 BBLs OIL AND RETURNING ONLY 110 BBLs MUD THE 2" SCREWED NIPPLE INTO THE TUBING HANGER BLEW OUT OF THE THREADS. LOST ABOUT 2 BBLs OIL FROM THE CASING. CLEARED THREADS WITH TAP AND REINSTALLED CASING VALVE. PUMPED AN ADDITIONAL 119 BBLs OIL AND COULD NOT REGAIN CIRCULATION. SECURED WELL AND SDFN.

RELEASED

SEP 28 2001

FROM CONFIDENTIAL

CONFIDENTIAL

**SWAB REPORT**

RECEIVED  
KANSAS CORPORATION COMMISSION

DATE

SEPT 19 97

WELL NAME

MAXX WHITLEY HZ #2

DAY

2.00

SERVICE RIG

EXPRESS

DEC 22 1997

LOCATION

FLUID TO RECOVER

CONSERVATION DIVISION  
MUCHITA KS

SWAB NO.	FLUID LEVEL	SWAB DEPTH	RECOVER	CUMM. BBLs	OIL CUT %	BBLs OIL	BBLs OIL	BBLs WATER	BBLs WATER
			THIS RUN	RECOVER		RECOVER	CUMM.	THIS RUN	CUMM.
1	450	1400	5.85	5.85	100	5.85	5.85	0.00	0.00
2	1400	2350	5.01	10.86	100	5.01	10.86	0.00	0.00
3	2350	3200	5.85	16.71	100	5.85	16.71	0.00	0.00
4	3100	4000	4.59	21.30	95	4.36	21.07	0.23	0.23
5	3800	4400	3.76	25.06	0	0.00	21.07	3.76	3.99
6	4250	4400	0.84	25.90	0	0.00	21.07	0.84	4.83
7	4250	4400	0.84	26.74	76	0.84	21.71	0.20	5.03
8	4250	4400	0.84	27.58	0	0.00	21.71	0.84	5.87
9	4300	4400	1.25	28.83	0	0.00	21.71	1.25	7.12
10	4300	4400	0.42	29.25	0	0.00	21.71	0.42	7.54
11	4300	4400	0.84	30.09	0	0.00	21.71	0.84	8.38
12	4250	4400	0.84	30.93	4	0.03	21.74	0.81	9.19
13	4300	4400	0.84	31.77	50	0.42	22.16	0.42	9.61
14	4300	4400	0.42	32.19	44	0.18	22.35	0.24	9.84
15	4300	4400	0.42	32.61	29	0.12	22.47	0.30	10.14
16	4300	4400	0.42	33.03	25	0.11	22.57	0.32	10.46
17	4300	4400	0.42	33.45	36	0.15	22.73	0.27	10.72
18	4300	4400	0.42	33.87	21	0.09	22.81	0.33	11.06
19	4300	4400	0.42	34.29	24	0.10	22.91	0.32	11.38

CONFIDENTIAL ORIGINAL

403 346 7540

RON\_ZUTZ

09/21/97 16:49

P05

3000  
2000  
1000  
0

CONFIDENTIAL  
DEC 22 1997

CONFIDENTIAL

REGULATORY COMMISSION

# ORIGINAL

## Daily Operations Report

DEC 2 1997

OPERATION DIVISION

**DATE:** SEPT 19 97  
**DAY:** - 2  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' **PBTD:** 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** SWABBING  
**RIG TIME:** 12 **TOTAL:** 24  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

DAILY COST SUMMARY	
<b>AFE#:</b>	5631
<b>AMOUNT:</b>	148900
TYPE OF SERVICE	AMOUNT
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
RIG EXPRESS	1500
TOOLS GUIBERSON	1600
<b>DAILY COST: 3900</b>	
<b>PREVIOUS COST: 4750</b>	
<b>CUMMULATIVE COST: 8650</b>	

### OPERATION:

FOUND WELL DEAD. PULLED OUT OF HOLE WITH TUBING. MADE UP 4 1/2" GUIBERSON UNI 6 PACKER ON 20 JOINTS 2 3/8" TUBING AND RAN IN HOLE WITH 2 7/8" TUBING. SET PACKER WITH TOP AT 5078' KB. TAIL PIPE END AT 5116.77' KB. LANDED TUBING IN SLIPS WITH 6000 # TEWNSION ON PACKER. CLOSED PIPE RAMS AND RIGGED UP TO SWAB. RAN IN ANDTAGGED INITIAL FLUID LEVEL AT 450'. PULLED A TOTAL OF 19 SWABS AND RECOVERED 34.29 BBLS FLUID. FIRST 20 BBLS WAS 100% OIL. THE NEXT 10 BBLS WAS STRAIGHT DRILLING MUD. THE FINAL 4 BBLS WAS A COMBINATION OF OIL, GREY WATER AND MUD. AVERAGE CUT 67%. FIAL SWABBING FLUID LEVEL 4300'. STABILIZED CUTS AT END OF DAY 25% OIL. TOE OF WELL HAS VERY POOR INFLOW. INFLOW ABOUT 2-3 BBLS/HOUR. TOTAL OIL RECOVERED 22.91 BBLS. TOTAL WATER AND MUD RECOVERED 11.38 BBLS. SECURED WELL AND SDFN.

RELEASED

1 7 8 2001

CONFIDENTIAL

DEC 1 8  
CONFIDENTIAL

SWAB REPORT

RECEIVED DATE  
 KANSAS CORPORATION COMMISSION DAY

SEPT 20 97  
 3.00

WELL NAME MAXX WHITLEY HZ # 2  
 SERVICE RIG EXPRESS  
 FLUID TO RECOVER \_\_\_\_\_

DEC 22 1997 LOCATION \_\_\_\_\_

CONSERVATION DIVISION  
 WICHITA, KS

CONFIDENTIAL

SWAB NO.	FLUID LEVEL	SWAB DEPTH	RECOVER THIS RUN BBLs	CUMM. BBLs RECOVER	OIL CUT %	BBLs OIL RECOVER THIS RUN	BBLs OIL CUMM.	BBLs WATER RECOVER THIS RUN	BBLs WATER CUMM.
1	1800	2900	4.18	4.18	44	1.84	1.84	2.34	2.34
2	2700	4400	6.28	10.44	3	0.19	2.03	6.07	8.41
3	3500	4400	5.01	15.45	3	0.15	2.18	4.86	13.27
4	4200	4400	0.84	16.29	5	0.04	2.22	0.80	14.07
5	4150	4400	1.67	17.96	28	0.47	2.69	1.20	15.27
6	4200	4400	0.84	18.80	100	0.84	3.53	0.00	15.27
7	4300	4400	0.84	19.64	55	0.46	3.99	0.38	15.65
8	4200	4400	0.84	20.48	31	0.26	4.25	0.58	16.23
9	4200	4400	1.25	21.73	55	0.69	4.94	0.56	16.79
10	4200	4400	0.84	22.57	31	0.26	5.20	0.58	17.37
11	4200	4400	1.25	23.82	42	0.53	5.72	0.73	18.10
12	4200	4400	1.25	25.07	41	0.51	6.23	0.74	18.84
13	4200	4400	1.25	26.32	50	0.63	6.86	0.63	19.46
14	4250	4400	0.84	27.16	50	0.42	7.28	0.42	19.88
15	4250	4400	0.84	28.00	56	0.47	7.75	0.37	20.25
16	4250	4400	0.84	28.84	44	0.37	8.12	0.47	20.72
17	4250	4400	0.84	29.68	46	0.39	8.51	0.45	21.17
18	4300	4400	0.42	30.10	41	0.17	8.68	0.25	21.42
19	4300	4400	0.42	30.52	50	0.21	8.89	0.21	21.63
20	4100	4400	1.67	32.19	50	0.84	9.72	0.84	22.47
21	4100	4400	1.67	33.86	49	0.82	10.54	0.85	23.32
22	4100	4400	1.67	35.53	25	0.42	10.96	1.25	24.57

ORIGINAL

403 346 7540

RON ZUTZ

09/21/97 16:50

P07

CONFIDENTIAL



ORIGINAL

REGULATORY COMMISSION

DEC 22 1997

**Daily Operations Report**

OPERATION DIVISION

**DATE:** SEPT 20 97  
**DAY:** 3  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' **PBITD:** 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** SWABBING  
**RIG TIME:** 9 **TOTAL:** 33  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

<b>DAILY COST SUMMARY</b>	
<b>AFE#:</b>	5631
<b>AMOUNT:</b>	148900
<b>TYPE OF SERVICE</b>	<b>AMOUNT</b>
SUPERVISION ZUTZ	
SUPERVISION SCHRAEDER	400
RIG EXPRESS	1150
<b>DAILY COST: 1550</b>	
<b>PREVIOUS COST: 8650</b>	
<b>CUMMULATIVE COST: 10200</b>	

**OPERATION:**

FOUND WELL WITH TUBING PRESSURE TSTM. RIGGED UP TO SWAB. RAN IN AND TAGGED INITIAL FLUID LEVEL AT 1800'. PULLED 22 SWABS AND RECOVERED 35.53 BBLS OF FLUID. FLUID WAS A COMBINATION OF OIL, GREY WATER AND SOME MUD AT BEGINING OF DAY. AVERAGE CUT 31% OIL. RECOVERED 10.96 BBLS OIL AND 24.57 BBLS OF WATER AND MUD. WELL SWABBED DOWN QUICKLY WITH FINAL SWABBING FLUID LEVEL 4300'. LAST 3 SWABS PULLED WERE AT A RATE OF 2 PER HOUR. INFLOW FROM TOE ABOUT 3 BBLS/HOUR. WITH AN APPROXIMATE CUT OF 40% OIL. CUMMULATIVE OIL RECOVERED 33.86 BBLS. CUMMULATIVE WATER AND MUD RECOVERED 35.95 BBLS. SECURED WELL AND SDFN.

RELEASED

DEC 23 2001

FROM CONFIDENTIAL

6078  
712 8  
GARY...

SWAB REPORT

WELL NAME  
SERVICE RIG  
FLUID TO RECOVER

MAXX WHITLEY HZ # 2  
EXPRESS

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 22 1997

CONSERVATION DIVISION  
WICHITA, KS

DATE: SEPT 21 97  
DAY: 4.00  
LOCATION:

SWAB NO.	FLUID LEVEL	SWAB DEPTH	RECOVER THIS RUN BBLs	CUMM. BBLs RECOVER	OIL CUT %	BBLs OIL RECOVER THIS RUN	BBLs OIL CUMM.	BBLs WATER RECOVER THIS RUN	BBLs WATER CUMM.
1	1800	2700	5.43	5.43	44	2.39	2.39	3.04	3.04
2	2700	3800	5.43	10.86	5	0.27	2.66	5.18	8.20
3	3500	4400	5.43	16.29	9	0.49	3.15	4.94	13.14
4	4100	4400	1.67	17.96	7	0.12	3.27	1.55	14.69
UNSET PACKER AND ALLOWED WELL TO EQUALIZE									
1	1600	2700	5.01	5.01	59	2.95	2.95	2.05	2.05
2	1800	2900	4.59	9.60	0	0.00	2.95	4.59	6.64
3	1800	2900	4.18	13.78	0	0.00	2.95	4.18	10.82
4	1800	2900	5.85	19.63	0	0.00	2.95	5.85	16.67
5	1800	2900	5.43	25.06	64	3.48	6.43	1.95	18.63
6	1750	2850	5.01	30.07	95	4.76	11.18	0.25	18.88
7	1750	2850	6.26	36.33	95	5.95	17.13	0.31	19.19
8	1750	2850	3.34	39.67	95	3.17	20.30	0.17	19.36
SET PACKER AT TOP OF LINER, SWABBING ENTIRE HOLE									
1	1200	2300	5.43	5.43	100	5.43	5.43	0.00	0.00
2	1800	2900	5.43	10.86	100	5.43	10.86	0.00	0.00
3	2400	3500	5.85	16.71	90	5.27	16.13	0.59	0.59
4	2900	4000	6.68	23.39	80	4.01	20.13	2.67	3.26
5	3200	4300	5.85	29.24	35	2.05	22.18	3.80	7.06
6	3400	4400	5.01	34.25	28	1.30	23.48	3.71	10.77
7	3600	4400	5.85	40.10	25	1.46	24.95	4.39	15.15
8	3700	4400	4.59	44.69	27	1.24	26.18	3.35	18.51
9	3400	4400	6.26	50.95	24	1.50	27.69	4.76	23.26
10	3800	4400	4.18	55.13	36	1.50	29.19	2.68	25.94
11	3800	4400	4.18	59.31	34	1.42	30.61	2.78	28.70

ORIGINAL

403 346 7540

RON ZUTZ

09/21/97 16:51

P09

ORIGINAL

CONFIDENTIAL

Daily Operations Report

**DATE:** SEPT 23 97  
**DAY:** 6  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' **PBID:** 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** SWABBING  
**RIG TIME:** 11 **TOTAL:** 64  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

<u>DAILY COST SUMMARY</u>	
<b>AFE#:</b>	5631
<b>AMOUNT:</b>	148900
<b>TYPE OF SERVICE</b>	<b>AMOUNT</b>
SUPERVISION ZUTZ	200
SUPERVISION SCHRAEDER	200
RIG EXPRESS	1400
TANK TRUCK SCHWEIN	300
<b>DAILY COST:</b>	<b>2700</b>
<b>PREVIOUS COST:</b>	<b>14850</b>
<b>CUMMULATIVE COST:</b>	<b>17550</b>

OPERATION:

FOUND WELL WITH TUBING PRESSURE TSTM. RIGGED UP TO SWAB. RAN IN AND TAGGED INITIAL FLUID LEVEL AT 1350'. PULLED 44 SWABS IN 7 HOURS AND RECOVERED 167.93 BBLS FLUID. AVERAGE WITHDRAWL RATE 24 BBLS/HOUR. FLUID CONSISTED OF OIL, FORMATION WATER AND ABOUT 2% MUD. WATER SALINITY 20000 PPM. RECOVERED 33.05 BBLS OF OIL AND 134.88 BBLS OF WATER AND MUD. AVERAGE CUT 19.7% OIL. FINAL SWABBING FLUID LEVEL 4000'. STABILIZED END OF DAY WITHDRAWL RATE 15 BBLS/HOUR. FINAL AVERAGE CUTS 27% OIL. CUMMULATIVE OIL RECOVERED 133.57 BBLS. CUMMULATIVE WATER AND MUD RECOVERED 311.79. ESTIMATED LOAD OIL ALL RECOVERED. NEW OIL RECOVERED 43 BBLS. SECURED WELL AND SDFN.

RELEASED

DEC 20 2001

FROM CONFIDENTIAL

DEC 18 8  
 CONFIDENTIAL

RECEIVED  
 KANSAS CORPORATION COMMISSION

DEC 22 1997

CONSERVATION DIVISION  
 WICHITA, KS

SWAB REPORT

RECEIVED  
KANSAS CORPORATION COMMISSION

DATE SEPT 23 97

WELL NAME MAXX WHITLEY HZ # 2

DAY 6.00

SERVICE RIG EXPRESS

DEC 22 1997

LOCATION \_\_\_\_\_

FLUID TO RECOVER \_\_\_\_\_

CONSERVATION DIVISION  
WICHITA KS

SWAB NO.	FLUID LEVEL	SWAB DEPTH	RECOVER THIS RUN BBLs	CUMM. BBLs RECOVER	OIL CUT %	BBLs OIL RECOVER THIS RUN	BBLs OIL CUMM.	BBLs WATER RECOVER THIS RUN	BBLs WATER CUMM.
26	3900	4400	3.34	115.28	22	0.73	19.49	2.61	95.79
27	3900	4400	2.92	118.20	27	0.79	20.28	2.13	97.92
28	3900	4400	3.34	121.54	29	0.97	21.25	2.37	100.29
29	3900	4400	2.10	123.64	18	0.38	21.62	1.72	102.02
30	4000	4400	2.92	126.56	21	0.61	22.24	2.31	104.32
31	4000	4400	2.51	129.07	27	0.68	22.91	1.83	106.16
32	3800	4400	4.18	133.25	19	0.79	23.71	3.39	109.54
33	3900	4400	4.18	137.43	27	1.13	24.84	3.05	112.59
34	3900	4400	3.34	140.77	29	0.97	25.81	2.37	114.96
35	3900	4400	3.34	144.11	28	0.94	26.74	2.40	117.37
36	3900	4400	2.92	147.03	20	0.58	27.32	2.34	119.71
37	4000	4400	1.67	148.70	30	0.50	27.83	1.17	120.87
38	3800	4400	3.76	152.46	17	0.64	28.46	3.12	124.00
39	4000	4400	2.51	154.97	35	0.88	29.34	1.63	125.63
40	4000	4400	2.92	157.89	28	0.82	30.16	2.10	127.73
41	4000	4400	2.51	160.40	29	0.73	30.89	1.78	129.51
42	4000	4400	2.51	162.91	26	0.65	31.54	1.86	131.37
43	4000	4400	2.10	165.01	26	0.55	32.09	1.55	132.92
44	4000	4400	2.92	167.93	33	0.96	33.05	1.96	134.88

CONFIDENTIAL

10070201

RELEASED

CONFIDENTIAL

CONFIDENTIAL

ORIGINAL

P01

09/23/97 20:49

RON\_ZUTZ

403 346 7540

3

## SWAB REPORT

RECEIVED  
KANSAS CORPORATION COMMISSION

DATE

SEPT 23 97

DAY

6.00

DEC 22 1997

LOCATION

WELL NAME

MAXX WHITLEY HZ # 2

SERVICE RIG

EXPRESS

FLUID TO RECOVER

CONSERVATION DIVISION  
WICHITA, KS

CONFIDENTIAL

SWAB NO.	FLUID LEVEL	SWAB DEPTH	RECOVER THIS RUN BBLs	CUMM. BBLs RECOVER	OIL CUT %	BBLs OIL RECOVER THIS RUN	BBLs OIL CUMM.	BBLs WATER RECOVER THIS RUN	BBLs WATER CUMM.
1	1350	2250	5.01	5.01	10	0.50	0.50	4.51	4.51
2	2100	3000	5.43	10.44	0	0.00	0.50	5.43	9.94
3	2750	3650	5.01	15.45	0	0.00	0.50	5.01	14.95
4	3100	4000	6.26	21.71	0	0.00	0.50	6.26	21.21
5	3400	4300	5.85	27.56	27	1.58	2.08	4.27	25.48
6	3700	4400	4.18	31.74	15	0.63	2.71	3.55	29.03
7	3800	4400	4.59	36.33	17	0.78	3.49	3.81	32.84
8	2800	3500	5.85	42.18	21	1.23	4.72	4.62	37.46
9	2800	3700	5.43	47.61	5	0.27	4.99	5.16	42.62
10	3600	4400	5.43	53.04	23	1.25	6.24	4.18	46.80
11	3800	4400	5.01	58.05	19	0.95	7.19	4.06	50.86
12	3800	4400	5.43	63.48	19	1.03	8.22	4.40	55.26
13	3900	4400	3.76	67.24	18	0.68	8.90	3.08	58.34
14	3900	4400	3.76	71.00	24	0.90	9.80	2.86	61.20
15	3900	4400	4.59	75.59	19	0.87	10.67	3.72	64.92
16	4000	4400	3.34	78.93	23	0.77	11.44	2.57	67.49
17	4000	4400	3.76	82.69	24	0.90	12.34	2.86	70.35
18	4000	4400	2.51	85.20	25	0.63	12.97	1.88	72.23
19	4000	4400	2.51	87.71	22	0.55	13.52	1.96	74.19
20	3000	3900	6.26	93.97	18	1.13	14.65	5.13	79.32
21	3500	4400	5.43	99.40	20	1.09	15.73	4.34	83.87
22	3800	4400	4.18	103.58	22	0.92	16.65	3.26	86.93
23	3900	4400	2.10	105.68	29	0.61	17.26	1.49	88.42
24	3900	4400	3.34	109.02	28	0.84	18.20	2.40	90.82
25	4000	4400	2.82	111.94	19	0.55	18.75	2.37	93.19

ORIGINAL

ORIGINAL

CONFIDENTIAL

Daily Operations Report

**DATE:** SEPT 22 97  
**DAY:** 45  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' PBTD: 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** SWABBING  
**RIG TIME:** 11 TOTAL: 53  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

<u>DAILY COST SUMMARY</u>	
<u>AFE#:</u>	5631
<u>AMOUNT:</u>	148900
<u>TYPE OF SERVICE</u>	<u>AMOUNT</u>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
RIG EXPRESS	1400
TANK TRUCK SCHWEIN	300
<hr/>	
<b>DAILY COST:</b>	2700
<b>PREVIOUS COST:</b>	12150
<b>CUMMULATIVE COST:</b>	14850

OPERATION:

FOUND WELL WITH TUBING PRESSURE TSTM. RIGGED UP TO SWAB. RAN IN AND TAGGED INITIAL FLUID LEVEL AT 1300'. PULLED 39 SWABS IN 7 HOURS AND RECOVERED 148.67 BBLs FLUID. AVERAGE WITHDRAWL RATE 21.24 BBLs/HOUR. FLUID CONSISTED OF OIL, FORMATION WATER AND ABOUT 4% MUD. WATER SALINITY 20000 PPM. RECOVERED 36.05 BBLs OF OIL AND 112.62 BBLs OF WATER AND MUD. AVERAGE CUT 24.2% OIL. FINAL SWABBING FLUID LEVEL 4000'. STABILIZED END OF DAY WITHDRAWL RATE 17 BBLs/HOUR. FINAL AVERAGE CUTS 22% OIL. CUMMULATIVE OIL RECOVERED 100.52 BBLs. CUMMULATIVE WATER AND MUD RECOVERED 176.91. ESTIMATED LOAD OIL ALL RECOVERED. NEW OIL RECOVERED 10 BBLs. SECURED WELL AND SDFN.

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 22 1997

CONSERVATION DIVISION  
WICHITA, KS

RELEASED

12/23/2001

FROM CONFIDENTIAL

P04

09/22/97 19:48

RON\_ZUTZ

403 346 7540

☎

KANSAS CORPORATION COMMISSION  
RELEASED  
MAY 9 1998

### SWAB REPORT

RECEIVED  
KANSAS CORPORATION COMMISSION

DATE

SEPT 22 97

DAY

5.00

DEC 22 1997

LOCATION

WELL NAME

MAXX WHITLEY HZ #2

SERVICE RIG

EXPRESS

FLUID TO RECOVER

CONSERVATION DIVISION  
WICHITA KS

SWAB NO.	FLUID LEVEL	SWAB DEPTH	RECOVER			OIL CUT %	BBLs OIL		BBLs WATER	
			THIS RUN	CUMM. BBLs	BBLs		RECOVER THIS RUN	CUMM.	RECOVER THIS RUN	BBLs WATER CUMM.
1	1300	2100	4.59	4.59	50	2.30	2.30	2.30	2.30	
2	1300	2100	2.92	7.51	0	0.00	2.30	2.92	5.22	
3	1800	2400	3.34	10.85	2	0.07	2.38	3.27	8.49	
4	2200	3100	5.01	15.86	2	0.10	2.46	4.91	13.40	
5	2500	3400	4.18	20.04	18	0.75	3.21	3.43	16.83	
6	3000	3900	5.85	25.89	36	2.11	5.32	3.74	20.57	
7	3300	4200	6.68	32.57	30	2.00	7.32	4.68	25.25	
8	3500	4400	5.01	37.58	23	1.15	8.48	3.88	29.10	
9	3700	4400	3.76	41.34	34	1.28	9.76	2.48	31.58	
10	3800	4400	4.18	45.52	29	1.21	10.97	2.97	34.55	
11	3800	4400	4.18	49.70	26	1.09	12.05	3.09	37.65	
12	3900	4400	3.76	53.46	27	1.02	13.07	2.74	40.39	
13	3900	4400	3.34	56.80	26	0.87	13.94	2.47	42.86	
14	3900	4400	4.18	60.98	25	1.05	14.98	3.14	46.00	
15	3900	4400	3.76	64.74	28	1.05	16.04	2.71	48.70	
16	3700	4400	4.59	69.33	27	1.24	17.27	3.35	52.06	
17	3850	4400	3.34	72.67	31	1.04	18.31	2.30	54.36	
18	3900	4400	3.76	76.43	32	1.20	19.51	2.58	56.92	
19	3100	4000	5.43	81.86	23	1.25	20.76	4.18	61.10	
20	3600	4400	5.43	87.29	22	1.19	21.96	4.24	65.33	
21	3900	4400	3.76	91.05	32	1.20	23.16	2.56	67.89	
22	3900	4400	2.51	93.56	28	0.70	23.86	1.81	69.70	
23	3900	4400	3.34	96.90	25	0.84	24.70	2.51	72.20	
24	3900	4400	2.92	99.82	23	0.67	25.37	2.25	74.45	
25	3900	4400	3.34	103.16	25	0.84	26.20	2.51	76.96	

CONFIDENTIAL ORIGINAL

SWAB REPORT

RECEIVED  
KANSAS CORPORATION COMMISSION

DATE  
SEPT 22 97

WELL NAME  
MAXX WHITLEY HZ # 2

DAY

5.00

SERVICE RIG  
EXPRESS

DEC 22 1997

LOCATION

FLUID TO RECOVER

CONSERVATION DIVISION  
WICHITA, KS

SWAB NO.	FLUID LEVEL	SWAB DEPTH	RECOVER THIS RUN BBLs	CUMM. BBLs RECOVER	OIL CUT %	BBLs OIL RECOVER THIS RUN	BBLs OIL CUMM.	BBLs WATER RECOVER THIS RUN	BBLs WATER CUMM.
26	3900	4400	3.34	106.50	23	0.77	26.97	2.57	79.53
27	3900	4400	3.76	110.26	21	0.79	27.76	2.97	82.50
28	3900	4400	2.92	113.18	28	0.62	28.58	2.10	84.60
29	3900	4400	3.34	116.52	23	0.77	29.35	2.57	87.17
30	3600	4400	4.59	121.11	20	0.92	30.27	3.67	90.84
31	3850	4400	4.18	125.29	22	0.92	31.19	3.26	94.10
32	3900	4400	2.92	128.21	20	0.58	31.77	2.34	96.44
33	3900	4400	2.92	131.13	22	0.64	32.41	2.28	98.72
34	3900	4400	3.34	134.47	21	0.70	33.11	2.64	101.36
35	4000	4400	2.10	136.57	18	0.38	33.49	1.72	103.08
36	4000	4400	2.92	139.49	23	0.67	34.16	2.25	105.33
37	4000	4400	2.92	142.41	22	0.84	34.81	2.28	107.60
38	4000	4400	3.34	145.75	19	0.63	35.44	2.71	110.31
39	4000	4400	2.92	148.67	21	0.61	36.05	2.31	112.62

CONFIDENTIAL

1007 0 201

RELEASING

CONFIDENTIAL

CONFIDENTIAL

ORIGINAL





ORIGINAL

240th Street S.E., Calgary, Alberta, Canada T2C 2P1 Telephone: (403) 279-5838 Fax: (403) 279-2192  
KANSAS CORPORATION COMMISSION

DEC 22 1997

CONFIDENTIAL

CONSERVATION DIVISION  
WICHITA, KS

### MAIN CHARACTERISTICS OF PROGRESSING CAVITY OILWELL PUMPS

SERIES	MODEL	FLOW @ 500 RPM & ZERO HEAD		HEAD RATING	
		m <sup>3</sup> /d	b/psd	meters	feet
2 3/8"	15TP1200	15	80	1200	4000
	30TP600	27	170	600	2000
	30TP1300	27	170	1300	4250
	30TP2000	27	170	2000	6600
	80TP800	80	500	800	2600
	80TP1200	80	500	1200	4000
2 7/8"	60TP650	66	415	650	2100
	60TP1300	66	415	1300	4250
	60TP2000	66	415	2000	6600
	100TP600	108	680	600	2000
	100TP1200	108	680	1200	4000
	*100TP1800 R	108	680	1800	5900
	240TP600	240	1500	600	2000
240TP900	240	1500	900	2950	
3 1/2"	120TP2000	120	755	2000	6600
	200TP600	194	1220	600	2000
	200TP1200	194	1220	1200	4000
	*200TP1800 *	194	1220	1800	5900
	300TP800	300	1885	800	2600
4"	180TP1000	180	1130	1000	3300
	*180TP2000 R	180	1130	2000	6600
	180TP3000	180	1130	3000	9850
	300TP600	300	1885	600	2000
	300TP1200	300	1885	1200	4000
	300TP1800	300	1885	1800	5900
	400TP450	400	2515	450	1500
	400TP900	400	2515	900	2950
	400TP1350	400	2515	1350	4450
	600TP300	600	3770	300	1000
	600TP600	600	3770	600	2000
	600TP900	600	3770	900	2950
	900TP500	900	5650	500	1650
	900TP1000	900	5650	1000	3300
	900TP1500	900	5650	1500	5250

RELEASED

MAR 28 2001

FROM CONFIDENTIAL

CONFIDENTIAL

RECEIVED  
REGULATION COMMISSION

**ORIGINAL**  
**Daily Operations Report**

DEC 22 1997

REGULATION DIVISION  
MORTON, KS

**DATE:** SEPT 21 97  
**DAY:** 4  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' **PBTD:** 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** SWABBING  
**RIG TIME:** 9 **TOTAL:** 42  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

<b>DAILY COST SUMMARY</b>	
<b>AFE#:</b>	5631
<b>AMOUNT:</b>	148900
<b>TYPE OF SERVICE</b>	<b>AMOUNT</b>
SUPERVISION ZUTZ	400
SUPERVISION SCHRAEDER	400
RIG EXPRESS	1150
<hr/>	
<b>DAILY COST:</b>	1950
<b>PREVIOUS COST:</b>	10200
<b>CUMMULATIVE COST:</b>	12150

RELEASED

MAR 26 2001

**OPERATION:** FROM CONFIDENTIAL

FOUND WELL WITH TUBING PRESSURE TSTM. RIGGED UP TO SWAB. RAN IN AND TAGGED INITIAL FLUID LEVEL 1800'. PULLED 4 SWABS AND RECOVERED 17.96 BBLs OF FLUID. SWABBED FLUID LEVEL DOWN TO 4100'. RECOVERED 3.27 BBLs OIL AND 14.69 BBLs WATER. RIGGED DOWN SWAB EQUIPEMENT. UNSET UNI 6 PACKER AND ALLOWED WELL TO EQUALIZE. PULLED 3 JOINTS. RIGGED UP TO SWAB. RAN IN AND TAGGED INITIAL FLUID LEVEL AT 1600' PULLED 8 SWABS AND RECOVERED 39.67 BBLs OF FLUID. RECOVERED 20.3 BBLs OIL AND 19.36 BBLs OF HEAVY MUD. LAST 3 SWABS 95% OIL MUD MOSTLY CLEANED UP. RIGGED OUT SWAB EQUIPEMNET. PULLED OUT OF HOLE WITH TUBING AND PACKER. LAID OUT 16 JOINTS OF 2 3/8" TUBING. RAN BACK IN HOLE AND SET 4 1/2" UNI 6 PACKER AT 4591.02' KB. END OF TAIL PIPE AT 4629.76' KB. SET PACKER AND LANDED TUBING IN SLIPS WITH 1000 # TENSION. RIGGED UP TO SWAB. RAN IN AND TAGGED INITIAL FLUID LEVEL AT 1200'. PULLED 11 SWABS AND RECOVERED 59.31 BBLs OF FLUID. OIL RECOVERED 30.61 BBLs. WATER RECOVERED 28.70 BBLs. AVERAGE CUT 51%. FINAL SWABBING FLUID LEVEL AT 3800'. STABILIZED CUT AT END OF DAY ABOUT 30% OIL. PRELIMINARY FLUID WITHDRAWL RATE 19 BBLs/HOUR. CUMMULATIVE OIL RECOVERED 64.47 BBLs. CUMMULATIVE WATER AND MUD RECOVERED 64.29 BBLs. LOAD OIL LEFT TO RECOVER 145.53 BBLs. SUSPECTED OIL IN ANNULAR SPACE 119 BBLs. LOAD OIL LEFT IN FORMATION 26 BBLs. SECURED WELL AND SDFN.

# ORIGINAL CONFIDENTIAL

JUN 29 1997

## Daily Operations Report

FROM: [REDACTED] TO: [REDACTED]

**DATE:** SEPT 29 97  
**DAY:** 10  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' PBTD: 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** WELL PUMPING TO GUN BARREL  
**RIG TIME:** 12 TOTAL 113  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

<u>DAILY COST SUMMARY</u>	
<b>AFF#:</b>	5631
<b>AMOUNT:</b>	148900
<u>TYPE OF SERVICE</u>	<u>AMOUNT</u>
SUPERVISION ZUTZ	200
SUPERVISION SCHRAEDER	200
RIG EXPRESS	1600
TANK TRUCK SCHWEIN	300
KUDU EST ONLY	45000
<b>DAILY COST:</b> 47300	
<b>PREVIOUS COST:</b> 29200	
<b>CUMMULATIVE COST:</b> 76500	

NCC  
 DEC 1 8  
 CONFIDENTIAL

**OPERATION:**

FOUND WELL DEAD. UNSET UNI 6 PACKER AND PULLED OUT OF HOLE. LAID DOWN ALL 2 3/8" TUBING. MADE UP AND RAN IN WITH FINAL PRODUCTION STRING AS FOLLOWS:

4 - JOINTS 2 7/8" TUBING	126.94'	3889.95' KB
1 - 2 7/8 X 3 1/2 CROSSOVER COLLAR	.51'	
1 - 7" X 3 1/2" VARIPERM RIGHT HAND SET ANCHOR 5000G # SHEAR	3.18'	3759.32' KB
1 - 3 1/2" TUBING PUP	4.13'	
1 - 3 1/2" TAG BAR	1.28'	
1 - KUDU 400-TP-1350 PROGRESSIVE CAVITY PUMP STATOR	28.79'	3725.12' KB
1 - 4" NUE PUP W/ CROSSOVER COLLAR TO 3 1/2" EUE	6.33'	
1 - 3 1/2" TUBING PUP WITH CROSSOVER COLLAR TO 2 7/8"	4.20'	
1 - 2 7/8" TUBING PUP	4.09'	
118 - JOINTS 2 7/8" J-55 6.5 #/FT EUE TUBING	3699.00'	
1 - DOGNUT	.50'	

**TOTAL TALLY  
 DISTANCE H  
 TUBING END AT**

3878.95'  
 11.00'  
 3889.95' KB

RECEIVED  
 SEPT 30 1997  
 REGULATION COMMISSION

CONTINUED PAGE # 2

DEC 2 2 1997

REGULATION DIVISION -  
 MOBILE, KS

ORIGINAL

MAXX WHITLEY HZ #2

SEPT 29 1997

DAY 10

SET ANCHOR AND LANDED DOGNUT WITH 13000 # TENSION . INSTALLED PUMPING WELL HEAD AND RAN IN WITH RODS AS FOLLOWS:

- 1 - ROTOR 30.19 FT LONG
- 1 - 1" PLAIN ROD
- 10 - 1" PLAIN RODS WITH 3 HELIX SPIN THRU GUIDES
- 127 - 1" RODS ALTERNATING WITH 1 PLAIN AND 1 WITH 2 HELIX SPIN THRU GUIDES PER ROD
- 9 - 1" RODS WITH 3 HELIX SPIN THRU GUIDES PER ROD
- 2 - 1" PONY RODS 1' 8"
- 1 - 1 1/4" X 30' PISTON STEEL POLISH ROD

SPACED OUT POLISH ROD AND INSTALLED ROTATING HEAD, MOUNTED MOTOR AND ACCESSORIES. RIGGED OUT SERVICE RIG. STARTED WELL PUMPING TO GUN BARREL AT 250 RPM. FLUID TO SURFACE IN 4 MINUTES. WELL PUMPING GOOD. -----DROP-----

CONFIDENTIAL

SEP 18  
CONFIDENTIAL

RELEASED

DEC 28 2001

FROM CONFIDENTIAL

RECEIVED  
U.S. DEPARTMENT OF COMMISSION

DEC 22 1997

CONSERVATION DIVISION  
WICHITA KS

ORIGINAL

CONFIDENTIAL

Daily Operations Report

**DATE:** - SEPT 24 97  
**DAY:** 7  
**WELL NAME:** MAXX WHITLEY HZ # 2  
**LOCATION:** NE-NE-SE-13-20S-23W  
**TOTAL DEPTH:** 5840' **PRTD:** 5840'  
**FORMATION:** OSAGE  
**PERFORATIONS:** O H 4674 -5840'  
**TYPE OF JOB:** NEW WELL COMPLETION  
**PRESENT ACTIVITY:** RIH WITH PACKER FOR ACID JOB  
**RIG TIME:** 11 **TOTAL:** 75  
**SUPERVISOR:** RON ZUTZ / RON SCHRAEDER  
**PHONE:** 403-350-1081 / 316-772-6020

<u>DAILY COST SUMMARY</u>	
<b>AFF#:</b>	5631
<b>AMOUNT:</b>	148900
<b>TYPE OF SERVICE</b>	<b>AMOUNT</b>
SUPERVISION ZUTZ	200
SUPERVISION SCHRAEDER	200
RIG EXPRESS	1400
TANK TRUCK SCHWEIN	300
<b>DAILY COST: 2100</b>	
<b>PREVIOUS COST: 17550</b>	
<b>CUMMULATIVE COST: 19650</b>	

OPERATION:

FOUND WELL WITH SHUT IN TUBING PRESSURE TSTM. RIGGED UP TO SWAB. RAN IN AND TAGGED INTIAL FLUID LEVEL AT 1350'. PULLED 21 SWABS AND RECOVERED 86.43 BBLs FLUID. AVERAGE CUT 15.4%. RECOVERED 13.34 BBLs OIL AND 73.09 BBL WATER. SWABBING FLUID LEVEL 3900'. CUMMULATIVE OIL RECOVERED 146.91 BBLs OIL. CUMMULATIVE WATER RECOVERED 384.88. NEW OIL RECOVERED 56.34 BBLs. UNSET PACKER AND PULLED OUT OF HOLE WITH TUBING AND PACKER. RAN IN HOLE WITH 15 JOINTS 2 3/8", UNI 6 PACKER, 19 JOINTS 2 3/8" SECURED WELL AND SDFN.

DEC 18  
 CONFIDENTIAL

RELEASED

DEC 18 2001

NON CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 22 1997

CONSERVATION DIVISION  
WICHITA, KS