

ORIGINAL CONFIDENTIAL

RELEASED

JUL 02 1991

SIDE ONE

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

Operator: License # 5171
Name: TXO PRODUCTION CORP.
Address 1660 Lincoln Street
Suite 1800
City/State/Zip Denver, CO 80264
Purchaser: Phenix

Operator Contact Person: Cory West
Phone (303) 861-4246

Contractor: Name: Eagle Drilling, Inc.
License: 5380

Wellsite Geologist: Tom Williams

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

If OWO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
5-19-90 5-26-90 6-13-90
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22,318-00-00
County Barber FROM CONFIDENTIAL

Approx SW SW Sec. 3 Twp. 34S Rge. 13 East West
515 Ft. North from Southeast Corner of Section
4765 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

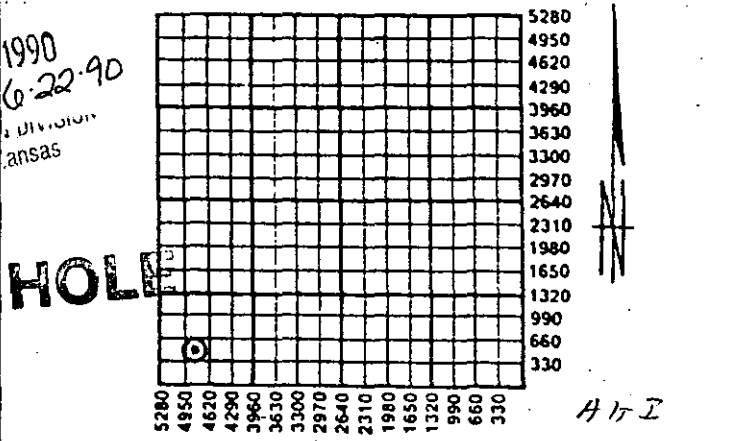
Lease Name Allen "J" Well # 1

Field Name Undesignated

Producing Formation Mississippian

Elevation: Ground 1770' KB 1782'

Total Depth 5080' PBDT 5007'



Amount of Surface Pipe Set and Cemented at 429 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ SX cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title Area Engr/Production Engineer Date 6-15-90

Subscribed and sworn to before me this 15 day of June, 1990.

Notary Public [Signature]

Date Commission Expires 11-03-92

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

X

RELEASED

INTERIM 14/10/1980

JUL 02 1991

SIDE TWO

Operator Name TXO PRODUCTION CORP.

Lease Name Allen "J"

Well # 1

FROM CONFIDENTIAL

East

County Barber

Sec. 3 Twp. 34S Rge. 13

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Refer to attachments)	Formation Description		
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Name	Top	Bottom
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Kanwaka Sh	3806 -	2024
			Heebner	4040 -	2258
			LKC	4216 -	2434
			Swope	4642 -	2860
			Mississippian	4811 -	3029
			Kinderhook Sh	5030 -	3248

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	24.0	429'	75 sxs Lite	75	3% cc, 2 gel on
Production	7-7/8"	4 1/2"	10.5	5043'	85 sxs Lite Surefill	150	3% cc dn from top 5#/sx gilsonite 1/4#/sx celloflake

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1-shot/3'	4813'-4828', 4838'-4844', 4879', 4903', 18 holes total	2000 gals 15% HCl followed by 50,000 gal CO ₂ foam frac. 105,000# 12/20, 20,000 100 mesh 109 tons CO ₂	

TUBING RECORD	Size 2-3/8"	Set At 4883'	Packer At --	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
----------------------	----------------	-----------------	-----------------	--

Date of First Production SIWOPL
Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours (Est.)	Oil Trace	Bbls.	Gas 1500 MCFD	Mcf	Water 25-35 BHPD	Bbls.	Gas-Oil Ratio --	Gravity
--	-----------	-------	---------------	-----	------------------	-------	------------------	---------

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

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify)

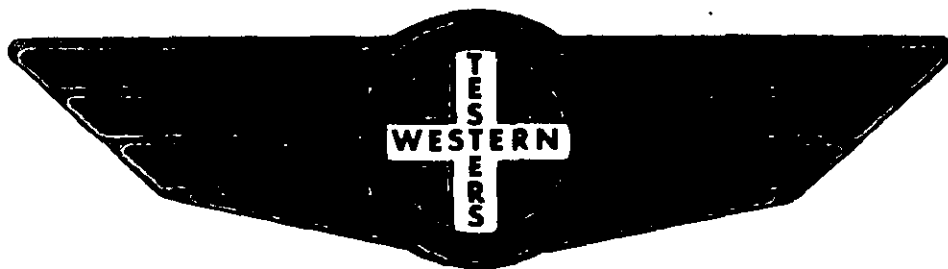
Production Interval

FORMATION

TEST

REPORT

TIGHT HOLE



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

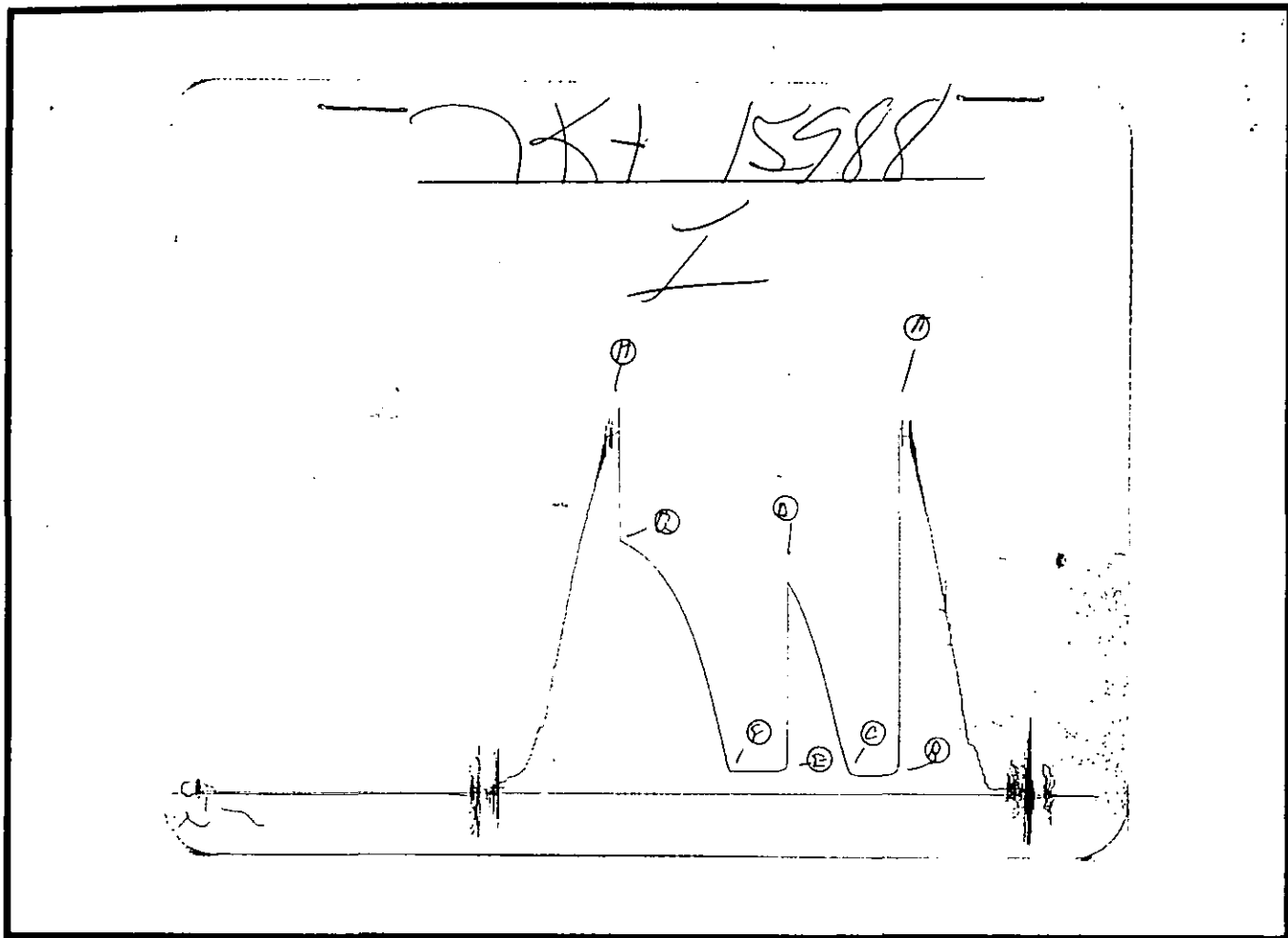
Phone (316) 262-5861

COMPANY TXO PRODUCTION CORPORATION LEASE & WELL NO. ALLEN 1 #1 SEC. 3 TWP. 34S R1E. 13W TEST NO. 1 DATE 5/24/90

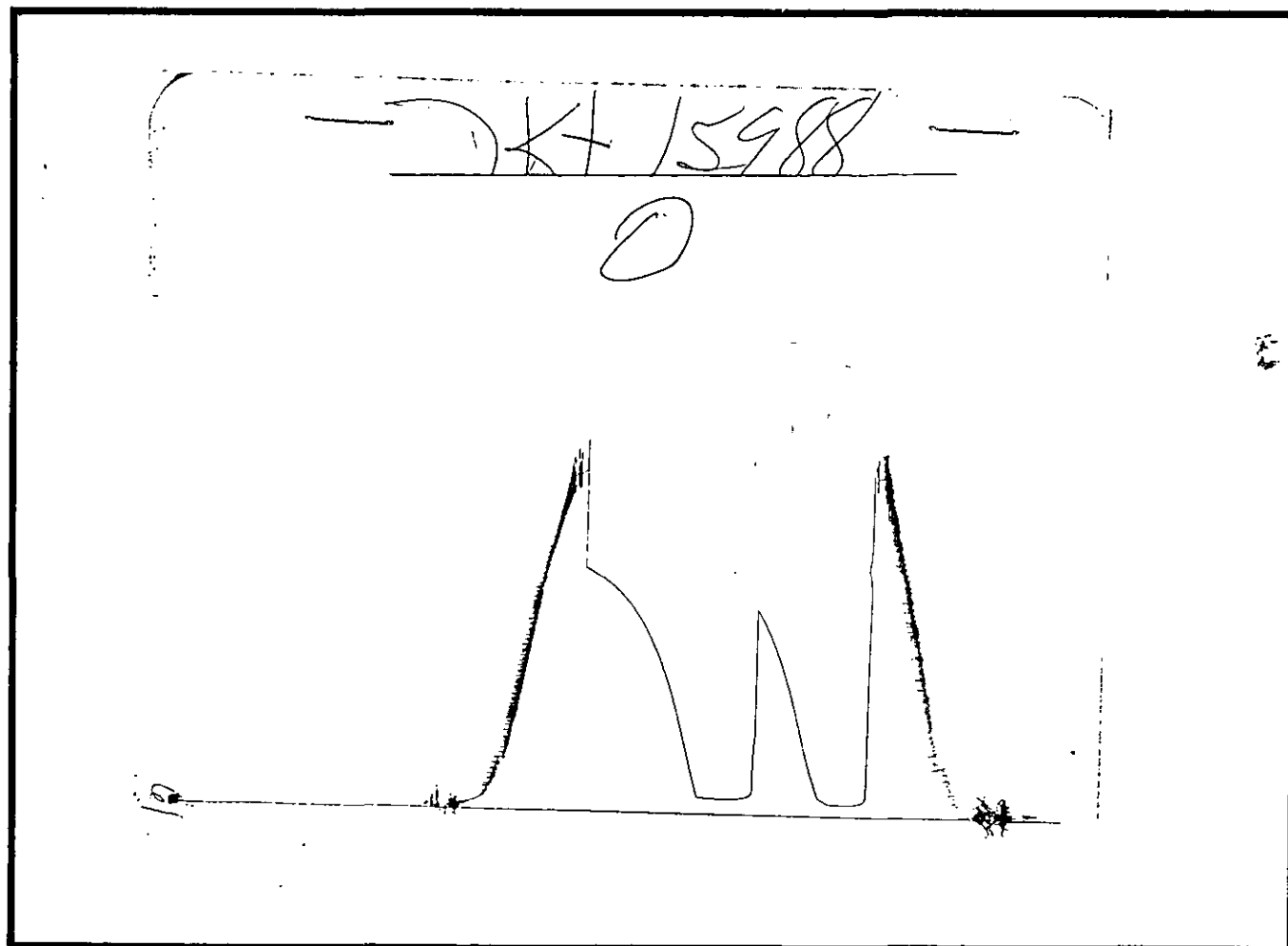
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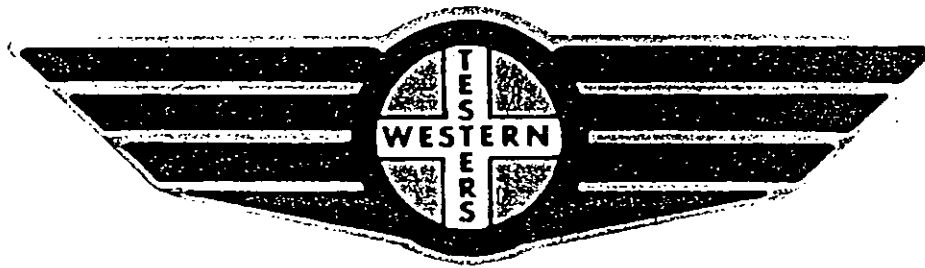
Inside Recorder



Outside Recorder

FORMATION TEST REPORT

RELEASED
JUL 02 1991
FROM CONFIDENTIAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY TXO PRODUCTION CORPORATION LEASE & WELL NO. ALLEN 1 #1 SEC. 3 TWP. 34S RGE. 13W TEST NO. 1 DATE 5/24/90

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 5-24-90
CUSTOMER : TXO PRODUCTION CORPORATION
WELL : #1 TEST: 1
ELEVATION :
SECTION : 3
RANGE : 13W COUNTY : BARBER
GAUGE SN# : 13552 RANGE : 4050
TICKET : 15988
LEASE : ALLEN J
GEOLOGIST : VEATCH
FORMATION : SNDESVILLE SD
TOWNSHIP : 34S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 4037 TO : 4080 TOTAL DEPTH : 4080

DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4032 SIZE : 6.63
PACKER DEPTH : 4037 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : EAGLE RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 42
WEIGHT : 8.9 WATER LOSS (CC) : 12.0
CHLORIDES (PPM) : 1800
JARS-MAKE : WTC SERIAL NUMBER : 407
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 555 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3450 FT I.D. inch : 3.80
TEST TOOL LENGTH : 32 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 43 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT BOTH FLOW PERIODS.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 90 FT OF: DRILLING MUD

Total Barrels Fluid = 0.44
Total Fluid Prod Rate = 8.50 BFPD
Indicated Wtr Rate = 0.85 BHPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 2:50 A.M.

TIME STARTED OFF BOTTOM : 6:35 A.M.

WELL TEMPERATURE : 115

INITIAL HYDROSTATIC PRESSURE

(A) 1993

INITIAL FLOW PERIOD MIN: 30

(B) 110 PSI TO (C) : 110

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1152

FINAL FLOW PERIOD MIN: 45

(E) 131 PSI TO (F) : 131

FINAL CLOSED IN PERIOD MIN: 90

(G) 1378

FINAL HYDROSTATIC PRESSURE

(H) 1978

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : TXO PRODUCTION CORPORATION
RIG : BARBER-KANSAS
FIELD : ALLEN J
WELL : #1
DATE : 5-24-90
GAUGE NO : 13552

OPERATIONAL COMMENTS

COMPANY : T
WELL : #
GAUGE # :
DATE :

TA REAL
O. HR

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COMPANY : TXO PRODUCTION CORPORATION
 WELL : #1
 GAUGE # : 13552
 DATE : 24/5 /90

FIELD : ALLEN J
 JOB # : 15988
 DEPTH : 4080
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	2:50:0	0.000	110.000	115.00	0.000
INITIAL FLOW PERIOD					
2	2:50:0	0.000	110.000	115.00	0.000
3	2:54:59	0.083	110.000	115.00	0.000
4	3:0:0	0.167	110.000	115.00	0.000
5	3:5:0	0.250	110.000	115.00	0.000
6	3:9:59	0.333	110.000	115.00	0.000
7	3:15:0	0.417	110.000	115.00	0.000
8	3:20:0	0.500	110.000	115.00	0.000
INITIAL SHUT-IN PERIOD					
9	3:23:0	0.550	111.000	115.00	1.000
10	3:26:0	0.600	117.000	115.00	6.000
11	3:29:0	0.650	142.000	115.00	25.000
12	3:32:0	0.700	203.000	115.00	61.000
13	3:35:0	0.750	273.000	115.00	70.000
14	3:38:0	0.800	342.000	115.00	69.000
15	3:41:0	0.850	416.000	115.00	74.000
16	3:44:0	0.900	502.000	115.00	86.000
17	3:47:0	0.950	572.000	115.00	70.000
18	3:50:0	1.000	642.000	115.00	70.000
19	3:53:0	1.050	709.000	115.00	67.000
20	3:56:0	1.100	769.000	115.00	60.000
21	3:59:0	1.150	838.000	115.00	69.000
22	4:2:0	1.200	888.000	115.00	50.000
23	4:5:0	1.250	941.000	115.00	53.000
24	4:8:0	1.300	989.000	115.00	48.000
25	4:11:0	1.350	1032.000	115.00	43.000
26	4:14:0	1.400	1073.000	115.00	41.000
27	4:17:0	1.450	1110.000	115.00	37.000
28	4:20:0	1.500	1152.000	115.00	42.000
FINAL FLOW PERIOD					
29	4:21:0	1.517	131.000	115.00	-1021.000
30	4:24:59	1.583	131.000	115.00	0.000
31	4:30:0	1.667	131.000	115.00	0.000
32	4:35:0	1.750	131.000	115.00	0.000
33	4:39:59	1.833	131.000	115.00	0.000
34	4:45:0	1.917	131.000	115.00	0.000
35	4:50:0	2.000	131.000	115.00	0.000
36	4:54:59	2.083	131.000	115.00	0.000
37	5:0:0	2.167	131.000	115.00	0.000
38	5:5:0	2.250	131.000	115.00	0.000
FINAL SHUT-IN PERIOD					
39	5:8:0	2.300	167.000	115.00	36.000
40	5:11:0	2.350	260.000	115.00	93.000
41	5:14:0	2.400	338.000	115.00	78.000
42	5:17:0	2.450	423.000	115.00	85.000
43	5:20:0	2.500	497.000	115.00	74.000
44	5:23:0	2.550	568.000	115.00	71.000
45	5:26:0	2.600	635.000	115.00	67.000
46	5:29:0	2.650	700.000	115.00	65.000
47	5:32:0	2.700	764.000	115.00	64.000
48	5:35:0	2.750	820.000	115.00	56.000

COMPANY : TXO PRODUCTION CORPORATION
WELL : #1
GAUGE # : 13552
DATE : 24/5 /90

FIELD : ALLEN J
JOB # : 15988
DEPTH : 4080
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	5:38: 0	2.800	876.000	115.00	56.000
50	5:41: 0	2.850	921.000	115.00	45.000
51	5:44: 0	2.900	969.000	115.00	48.000
52	5:47: 0	2.950	1009.000	115.00	40.000
53	5:50: 0	3.000	1044.000	115.00	35.000
54	5:53: 0	3.050	1085.000	115.00	41.000
55	5:56: 0	3.100	1114.000	115.00	29.000
56	5:59: 0	3.150	1142.000	115.00	28.000
57	6: 2: 0	3.200	1174.000	115.00	32.000
58	6: 5: 0	3.250	1202.000	115.00	28.000
59	6: 8: 0	3.300	1225.000	115.00	23.000
60	6:11: 0	3.350	1249.000	115.00	24.000
61	6:14: 0	3.400	1269.000	115.00	20.000
62	6:17: 0	3.450	1291.000	115.00	22.000
63	6:20: 0	3.500	1308.000	115.00	17.000
64	6:23: 0	3.550	1323.000	115.00	15.000
65	6:26: 0	3.600	1337.000	115.00	14.000
66	6:29: 0	3.650	1349.000	115.00	12.000
67	6:32: 0	3.700	1360.000	115.00	11.000
68	6:35: 0	3.750	1378.000	115.00	18.000

WESTERN TESTING CO. INC.

FLUID SAMPLE REPORT

Date : 5-24-90 Ticket No. : 15988
Company : TXO PRODUCTION CORPORATION
Well Name & No. : ALLEN J #1
DST No. 1
County : BARBER State : KANSAS
Sampler No. : Test Interval : 4037-4080

=====

Pressure in Sampler	40	PSIG	BHT	115	Deg F
Total Volume of Sampler	: 2500		cc		
Total Volume of Sample	: 1000		cc		
Oil:			cc		
Water:			cc		
Mud:	1000		cc		
Gas:	6.64	cu ft			
Other:			cc		

=====

RESITIVITY

Drilling Mud	@	F	Chloride Content	ppm
Mud Pit Sample .38	@	61 F	Chloride Content	1800 ppm
Gas/Oil Ratio		Gravity	API @	Deg F

Where was sample drained

Remarks:



P.O. Box 4442
Houston, Tx. 77240

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE 5-27-90 SERVICE CONTRACT NO. 610794

CUSTOMER ACCOUNT NO. _____
 CUSTOMER TXO TRON CORP
 ADDRESS K.K. 1 TOX 1256
 CITY MEDICINE LOOSE STATE KANSAS ZIP 67104
 AUTHORIZED BY KELELL VEDICH (Please Print) ORDER NO. _____

NEW WELL WELL TYPE B JOB NUMBER 500393
 WELL NO. 1 LEASE NAME & FEDERAL OFFSHORE LEASE NO. ALLEN J
 COUNTY/PARISH WARREN CODE 007 STATE Ks CITY CODE 134
 FIELD NAME HETNA
 WELL OWNER TXO TRON CORP MTA CODE _____

STAGE NO. _____ JOB CODE 0106 WORKING DEPTH 3043 FT.
 TOTAL PREV. GALS. _____
 TOTAL MEAS. DEPTH _____ FT.
 Packer Depth _____ Fluid Pumped _____

PUMPING EQUIPMENT _____ TIME (A OR P) _____ DATE _____
 TRUCK CALLED _____
 ARRIVED AT JOB 10:30 AM 8/9/87
 START OPERATION 3:30 PM 05/27/90
 FINISH OPERATION 7:30 PM 05/27/90
 TIME RELEASED 8:00 PM
 SALESMAN NUMBER _____

REVENUE EQUIPMENT (UNIT NUMBERS)	EMPLOYEES ON JOB (EMPLOYEE NUMBER)
MAX. BPM <u>9</u> <u>1492</u>	<u>206232</u> <u>237697</u>
S/S EMPLOYEE NUMBER <u>666454</u>	

CEMENT FRAC ACID SAND CONTROL

PRICE BOOK REF.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.
TIGHT HOLE									
FROM CONFIDENTIAL									
RECEIVED STATE DEPARTMENT OF REVENUE JUN 22 1990 Wichita, Kansas									

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
 The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 0.7 SIGNED: X (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1 101100150	1	5,001' TO 7,000'	1155.00	E	1155.00
2 101100130	1	THE TOP 100' BELOW 7,000'	15.00	E	15.00
3 1011090105	42	WHEELS, RT	1.10	E	46.20
4 1041105014	150	CLASS A	5.30	Q	795.00
5 104230170	900	A-10	.22	L	193.00
6 104230143	100	A-9	.22	L	22.00
7 1041150149	141	A-71'	.32	L	45.12
8 104201145	100	RT GEL	.13	L	12.00
9 1041150132	750	KOL SEAL	.33	L	247.50
10 1042201013	33	YELLOW LINKS	1.21	L	40.92

SERVICE REPRESENTATIVE KEVIN PUNJAKUJ THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)



SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 610794

DATE OF JOB	MM DD YV	DISTRICT	DIST. NO.	AUTHORIZED BY	
06	27	90	Med Coors	3350	Gerrell Venich
CUSTOMER					
TXO TRON CORP.					

PRICE BOOK 07

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1033000.1	132	MIXING SERVICE	.95	Q	172 90
1094010.1	163	DRAPAGE 3 X 21	.70	F	117 60
10409600	1	FLEX-FILL COLLAR 4 1/2" - I	343.00	F	343 00
10409600	1	4 1/2" CATCH DOWN PILE P	300.00	F	300 00
10409600	6	4 1/2" CENTRALIZERS - I	41.75	F	250 50
10409600	2	4 1/2" LOCKERS - I	120.00	F	240 00
		BOOK PRICE		#	4006 30
		LESS			721 25
		TOTAL		#	2235 55

TIGHT HOLES

JUL 02 1991

FROM CONFIDENTIAL

SERVICE REPRESENTATIVE V. BRUNOLOT

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT) CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442
Houston, Texas 77210

CEMENTING LOG

STAGE NO.

Date 5-27-90 District NEW LARGE Ticket No. 6107H
Company TYG PHOD CORP. Rig EAGLE
Lease ALLEN J Well No. 1
County BARBER State KANSAS

Location UNION QUART 35, 36, 142N Field ACTNA
CASING DATA: PTA Squeeze
Surface Intermediate Production Liner
Size 4 1/2" Type MAVERICK Weight 10.54 Collar 1740

PUST - 4790'
COLLAPSE - 4010'
Casing Depths: Top _____ Bottom _____
3 1/2" BL - 424'
4 1/2" KK - 5043'

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH
Open Hole: Size 7 7/8" T.D. 5030 ft. P.B. to _____ ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0159 Lin. ft./Bbl. 62.70
Open Holes: Bbls/Lin. ft. .0667 Lin. ft./Bbl. 16.59
Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Annulus: Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.6474
Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
Spacer Type: S PBL 2% KOL WATER
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
FROM CONFIDENTIAL

LEAD: Pump Time _____ hrs. Type _____
Excess _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
TAIL: Pump Time _____ hrs. Type SURF-FILL
S# KOL-SEN, 1/4# GYLOFLAKE Excess _____
Amt. 150 Sks Yield 1.44 ft³/sk Density 14.3 PPG
WATER: Lead _____ gals/sk Tail 6.3 gals/sk Total 72 1/2 Bbls.

Pump Trucks Used 1492 CARRY DRIFTING
Bulk Equip. 2904-6422 TOP CROSSY

Float Equip: Manufacturer BAKER
Shoe: Type FLEXIFLOW Depth 5043'
Float: Type CATCH DOWN PLUG Depth 5007'
Centralizers: Quantity 6 Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. 2 BASKETS
Disp. Fluid Type FRESH H₂O Amt. 80% Bbls. Weight 8.74 PPG
Mud Type CHEMICAL Weight 9.0 PPG

COMPANY REPRESENTATIVE BERNARD VEDICH

CEMENTER KEVIN PALMGRANT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
3:30						ON LOCATION, RIG UP HOPE SAFETY PROCEEDURE RUN 4 1/2" CASING, BREAK GEAR GOING IN HOLE CASING ON BOTTOM, BREAK GEAR RIG UP TO PUMP TRUCK START KOL WATER KOL WATER IN - START CEMENT INCREASE RATE CEMENT IN - STOP PUMPS CHANGE VALVES - FLUSH PUMPS & LINES CHANGE VALVES - RELEASE PLUG START DISPLACEMENT INCREASE RATE - ROTATE CASING CEMENT TURNS SHOPE - SLOW RATE GRADUAL PRESSURE INCREASE BLAMP PLUG RELEASE PSI - CATCH DOWN PLUG
7:00	400 600 500 400		5	5	5 8 9	
	100 100 50 700		4 5/2 9 3/2	2 4 3	2 3 3	
7:30	1400		134	25 1/2		

FINAL DISP. PRESS: 700 PSI BUMP PLUG TO 1400 PSI BLEEDBACK 1/2 BBLs. THANK YOU

Form No. SR 0502 (Rev. 3/90)
Note: Must accompany job ticket.



P.O. Box 4442
Houston, Tx. 77210.

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE 5-19-90 SERVICE CONTRACT NO. 610769

CUSTOMER ACCOUNT NO. TXO PRODUCTION CORP DIST NAME M.S.D. LODGE KANS NEW WELL OLD WELL WELL TYPE G JOB NUMBER 500379

ADDRESS R.F. 1 P.O. Box 125B COUNTY/PARISH Barber CODE 117 STATE KANS CODE 14

CITY MEDICINE LODGE STATE KANSAS ZIP 67601 FIELD NAME AETNA CITY CODE

AUTHORIZED BY: (Please Print) EUTCH STINERT ORDER NO. WELL OWNER TXO PRODUCTION CORP MTA CODE

STAGE NO. JOB CODE 0100 WORKING DEPTH 428 FT. PUMPING EQUIPMENT TIME (A OR P) DATE

TOTAL PREV. GALS. SURFACE INTERMEDIATE PRODUCTION REMEDIAL TRUCK CALLED 16:30 P MM DD YY 051199

TOTAL MEAS. DEPTH SIZE HOLE 12 1/4 DEPTH 442 FT. ARRIVED AT JOB 17:45 P MM DD YY 051199

SIZE & WT. CASING 8 5/8 21 DEPTH 428 FT. START OPERATION 18:30 P MM DD YY 051199

SIZE & WT. DRILL PIPE OR TUBING DEPTH FT. FINISH OPERATION 10:30 P MM DD YY 051199

TIME RELEASED MILES FROM STATION TO WELL 12 SALESMAN NUMBER

AVG. PSI. 250 MAX. PSI. 500 REVENUE EQUIPMENT (UNIT NUMBERS) EMPLOYEES ON JOB (EMPLOYEE NUMBER)

MAX. BPM 7 831992 500282 269832

S/S EMPLOYEE NUMBER 617028

BLENDS CEMENT FRAC ACID HEAD CONTROL

PRICE BOOK REF.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.
<u>11041151015</u>	<u>411051019</u>	<u>Q</u>	<u>97</u>						
	<u>411051018</u>	<u>Q</u>	<u>67</u>						
	<u>42011415</u>	<u>C</u>	<u>9</u>						

TIGHT HOLE

FROM CONFIDENTIAL

RECEIVED
STATE OF TEXAS
JUN 22 1990

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 012 SIGNED X K.O. Stinert (WELL OWNER, OPERATOR, CONTRACT OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
<u>110110103105</u>	<u>1</u>	<u>Pump Charge</u>	<u>395.00</u>	<u>E</u>	<u>395.00</u>
<u>110110103110</u>	<u>128</u>	<u>Depth Charge</u>	<u>.40</u>	<u>E</u>	<u>51.20</u>
<u>1101101091005</u>	<u>42</u>	<u>Pump Milage R/T</u>	<u>1.10</u>	<u>E</u>	<u>46.20</u>
<u>110411015101</u>	<u>75</u>	<u>CLASS A</u>	<u>5.30</u>	<u>Q</u>	<u>397.50</u>
<u>110411510105</u>	<u>170</u>	<u>BJ LITE</u>	<u>4.74</u>	<u>Q</u>	<u>805.80</u>
<u>110411510149</u>	<u>739</u>	<u>A7-P</u>	<u>.32</u>	<u>L</u>	<u>236.48</u>
<u>11042011415</u>	<u>1</u>	<u>BJ Gel</u>	<u>6.75</u>	<u>C</u>	<u>6.75</u>
<u>110919101101</u>	<u>2667</u>	<u>DRAYAGE 127 TON X 21 MI</u>	<u>.70</u>	<u>E</u>	<u>186.69</u>
<u>110818100101</u>	<u>257</u>	<u>MIXING CHARGE</u>	<u>.75</u>	<u>Q</u>	<u>244.15</u>
<u>110413105316</u>	<u>1</u>	<u>8 5/8 Top-Rubber Plug</u>	<u>100.00</u>	<u>E</u>	<u>100.00</u>

SERVICE REPRESENTATIVE N. O. [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY X K.O. Stinert

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



DISTRICT COPY

SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 610769

DATE OF JOB 05/19/90	DISTRICT Mid Loops	DIST. NO. 3350	AUTHORIZED BY Butch STINERT
CUSTOMER TXO PRODUCTION CORP			

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
	017	1	8 5/8 Baffle Plate	95.25	E	95.25
		2	8 5/8 CENTRALIZERS	57.75	E	115.50
		2	8 5/8 BASKETS	190.00	E	380.00
						3060.52
						2509.63

TIGHT HOLE

FROM CONFIDENTIAL

SERVICE REPRESENTATIVE <i>Neal Rupp</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>K.O. Stinert</i>
--	--

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442
Houston, Texas 77210

CEMENTING LOG

STAGE NO. 1

Date 5-19-90 District 3350 Ticket No. 610769
 Company T.X.O PRODUCTION CORP Rig EAGLE DRIF
 Lease ALLEN Well No. 1
 County BATHUS State KANS
 Location ALBERTA WAPL 35-3w-142N Field ASTNA

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type NEW Weight 24 Collar _____

LOST FULL RETURNS AT 199'

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____

Open Hole: Size 12 1/4 T.D. 442 ft. P.B. to 428 ft.

CAPACITY FACTORS: 387 AT:
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.7
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type BJ LITE
3% A7-P Excess _____
 Amt. 50 Sks Yield 1.58 ft³/sk Density 13.8 PPG _____

TAIL: Pump Time _____ hrs. Type CLASS A
3% A7-P - 2% G-L Excess _____
 Amt. 75 Sks Yield 1.34 ft³/sk Density 15.2 PPG _____

WATER: Lead 7.8 gals/sk Tail 6.4 gals/sk Total 20 Bbls.

Pump Trucks Used 1492 L.O
 Bulk Equip. 2906-54116 M.W

Float Equip: Manufacturer BAKER
 Shoe: Type OPEN ENDED Depth 428
 Float: Type BAFFLE PLATE Depth 390
 Centralizers: Quantity 2 Plugs Top RUBBER Btm. _____
 Stage Collars _____
 Special Equip. 2 BASKETS 120' - 80' FROM SURF.
 Disp. Fluid Type FRESH H₂O Amt. 25 Bbls. Weight 8.39 PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE BUTCH STINERT

CEMENTER NEAL RUPP

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9:55 9:00						TIGHT HOLE PUMP VIA CASING WITH RIG PUMP RIG UP TO PUMP TRUCK START LEAD
	200			14.0	7	
9:05			30	18.0		LEAD IN ON TAIL TAIL IN / SHUT DOWN / CENTER FULL OF FLUID
9:15	250 500		25	5 20	4 2	RELEASE PLUG START DISP. RST UP / SLIGHT RETURNS PLUG DOWN / BOTTOM TAPPED / SHUT IN
9:30 9:40		150			2	RIG UP TO RUN 1-INCH RUN 80' / INCH START LITE WATE VIA 1-INCH
9:45		150			2	SHUT DOWN 80SK MIXED / PULL 1-INCH CHECK FOR CEMENT / CEMENT ON 1-INCH 25 FT FROM SURFACE
9:50 10:00				11	2	RUN 1-INCH BACK IN / RESUME PUMPING LITE WATE VIA 1-INCH 40SK MIXED CEMENT IN CENTER SHUT DOWN / WATCH CEMENT CEMENT DID NOT FALL BACK WASH UP PUMP TRUCK & RIG DOWN PUMPED 50 LITS A ON BOTTOM PUMPED 120 LITE ON TOP

FINAL DISP. PRESS: 250 PSI BUMP PLUG TO 500 PSI BLEEDBACK SHUT IN BBLs. THANK YOU NR

Form No. SR 0502 (Rev. 3/90)
 Note: Must accompany job ticket.

WOOLSEY PETROLEUM CORPORATION

107 North Market - Suite 600 - Wichita, Kansas 67202-1807

Allen J-1
Sec 3-T34S-R13W
Barber County, Kansas

WELL PLUGGING APPLICATION FORM ATTACHMENT

PERFORATIONS AND BRIDGEPLUG SETS AS FOLLOWS:

4879' to 4903' 4813' to 4828' 4838' to 4844'

CIBP @ 4755' 4062' to 4068'

RECEIVED
STATE CORPORATION COMMISSION

JAN 09 1996

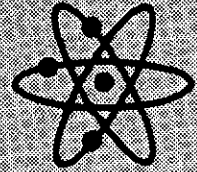
STATE CORPORATION COMMISSION
WICHITA, KANSAS

DresserAtlas

DRESSER

Gamma Ray

15-007-22318



FILE NO.	COMPANY <u>TXO PRODUCTION CORPORATION</u>		
API NO.	WELL <u>ALLEN "J" No. 1</u>		
	FIELD <u>ASTNA</u>		
	COUNTY <u>BARBER</u>	STATE <u>KANSAS</u>	
	LOCATION: <u>515' FSL + 515' FWL</u>		Other Services <u>PERF</u> <u>3 1/4" Gun</u>
	SEC <u>3</u>	TWP <u>34s</u>	RGE <u>13W</u>

Permanent Datum <u>GROUND LEVEL</u>	Elev. <u>1770</u>	Elev. KB <u>1782</u>
Log Measured from <u>KELLY</u>	<u>12</u> Ft. Above Permanent Datum	DF <u>-</u>
Drilling Measured from <u>KELLY</u>		GL <u>1770</u>

Date	<u>5-JUNE-90</u>	RECEIVED STATE CORPORATION COMMISSION JAN 09 1996 WICHITA, KANSAS
Run No.	<u>1</u>	
Service Order	<u>51300</u>	
Depth—Driller	<u>5080</u>	
Depth—Logger	<u>5001</u>	
Bottom Logged Interval	<u>6000</u>	
Top Logged Interval	<u>4500</u>	
Type Fluid in Hole	<u>DRY</u>	
Salinity Ppm Cl.	<u>-</u>	
pH and Fluid Loss	<u>-</u>	cc
Density Lb./Gal.	<u>-</u>	cc
Level	<u>-</u>	cc
Max. Rec. Temp. Deg. F	<u>-</u>	
Opr. Rig Time	<u>1.0</u>	
Recorded By	<u>S. ULLMANN</u>	
Witnessed By	<u>R. CRAVEALS</u>	

Run No.	Bore Hole Record			Casing Record			
	Bit	From	To	Size	Wt.	From	To
<u>1</u>				<u>8 3/8</u>	<u>24</u>	<u>0</u>	<u>429</u>
<u>2</u>				<u>4 1/2</u>	<u>10.5</u>	<u>0</u>	<u>5079</u>

FOLD HERE