

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

ORIGINAL

API NO. 15- 071-20,555 -0000

County Greeley

NE - SE - NE Sec. 17 Twp. 18S Rge. 42 X W

Operator: License # 3317

Name: Beard Oil Company

Address 5600 N. May Ave., Ste. 200

City/State/Zip Oklahoma City, OK 73112

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

Operator Contact Person: Ivan D. Allred, Jr.

Phone (405) 842-2333

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Scott Banks

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

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

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBTB

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

12/30/91 01/06/92 01/08/92

Spud Date Date Reached TD Completion Date

3526 Feet from SIX (circle one) Line of Section

180 Feet from E/IX (circle one) Line of Section

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

Lease Name Bounds Well # 1-17

Field Name Wildcat

Producing Formation None

Elevation: Ground 3824' KB 3833'

Total Depth 5375' PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 362 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 cat.

Drilling Fluid Management Plan APR DPA  
(Data must be collected from the Reserve Pit)

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

Dewatering method used Dry Out, Backfill

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

Operator Name \_\_\_\_\_

License No. \_\_\_\_\_

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

County \_\_\_\_\_ Docket No. \_\_\_\_\_

WICHITA, KANSAS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-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 Ivan D. Allred, Jr.

Title Vice President Date 1-31-92

Subscribed and sworn to before me this 31st day of January

19 92

Notary Public [Signature]

Date Commission Expires December 7, 1994

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 checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		

Operator Name Beard Oil Company Lease Name Bounds Well # 1-17  
 Sec. 17 Twp. 18S Rge. 42  East  West  
 County Greeley

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 Attached	<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	Heebner	4040	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Attached	Lansing	4156	
List All E.Logs Run:		Cherokee	4696	
Great Guns Dual Induction Log		Atoka	4820	
Great Guns Compensated Neutron PE		Morrow	5018	
Density Log		Mississippi	5182	
		Total Depth	5375	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/4"	8-5/8"	24	362'	60/40	235	3%CC, 2%Gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.]	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____



ORIGINAL

ORIGINAL

INVOICE DATE

12/30/91

DIRECT BILLING INQUIRIES TO:  713-895-5821	TERMS  NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO:  B.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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PAGE  1	INVOICE NO.  058914
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BEARD OIL CO

621-17TH  
SUITE 1020  
DENVER CO 80293

WELL NUMBER : 1-17

RELEASED

12/23/1993

FROM CONFIDENTIAL

CUSTOMER NUMBER : 2019 - 4

AUTHORIZED BY  058914
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PURCH. ORDER REF. NO.
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LEASE NAME AND NUMBER <b>BOUNDS</b>	STATE <b>14</b>	COUNTY/PARISH <b>1470</b>	CITY <b>Oakley</b>	DISTRICT NAME <b>585</b>	DISTR. NO.
JOB LOCATION/FIELD		MTA DISTRICT	DATE OF JOB <b>12/30/91</b>	TYPE OF SERVICE <b>LAND-CONDUCTOR/SURFACE</b>	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100304	1.00	CEMENT CASING 301 TO 500 FEET	674.00		674.00
10109005	55.00	MILEAGE CHR.G, FROM NEAREST BASE OF	2.47		135.85
10409600	1.00	8 5/8 TX PAT NOT C. SRDE	222.00	GAL	222.00
10409600	1.00	8 5/8 INSERT	256.00	GAL	256.00
10409600	3.00	8 5/8 CENTRALIZERS	60.00	GAL	180.00
10410504	141.00	CLASS "A" CEMENT	7.11	CF	1,002.51
10415018	94.00	FLY ASH	3.81	CFT	358.14
10415049	560.00	A-7-P CALCIUM CHLORIDE PELLETS	0.48	LB	268.80
10420145	400.00	BJ-TITAN GEL, BENTONITE, BULK SALE	0.15	LB	60.00
10431036	1.00	8-5/8" TOP WOOD PLUG	63.25	EA	63.25
10880001	288.00	MIXING SEVICE CHR.G DRY MATERIALS,	1.16		334.88
10902520	1.00	STANDARD CMT HEAD, PER JOB	58.00		58.00

ACCOUNT	<p><b>RECEIVED</b></p> <p>JAN 14 1992</p> <p>BEARD - DENVER</p> <p><i>Signature</i></p> <p>CC. [unclear]</p>
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TAX EXEMPTION STATUS:	
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ORIGINAL

CONFIDENTIAL

ORIGINAL

INVOICE DATE

12/30/91

DIRECT BILLING INQUIRIES TO:  713-895-5821	TERMS  NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO:  B.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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PAGE  2	INVOICE NO.  058914
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AUTHORIZED BY  058914
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PURCH. ORDER REF. NO.
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BEARD OIL CO

621-17TH  
SUITE 1020  
DENVER CO 80293

RELEASED

JAN 23 1993

FROM CONFIDENTIAL

WELL NUMBER : 1-17

CUSTOMER NUMBER : 2015 - 4

LEASE NAME AND NUMBER <b>BOUNDS</b>	STATE <b>14</b>	COUNTY/PARISH <b>1470</b>	CITY <b>Oakley</b>	DISTRICT NAME	DISTR. NO. <b>585</b>
JOB LOCATION/FIELD <b>NA</b>		MTA DISTRICT	DATE OF JOB <b>12/30/91</b>	TYPE OF SERVICE <b>LAND-CONDUCTOR/SURFACE</b>	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10940101	583.00	DRAYAGE, PER TON MILE	0.79		460.57
<b>SUBTOTAL</b>					<b>4,073.20</b>
<b>DISCOUNT</b>					<b>1,074.69</b>

ACCT. PAY

JAN 20 1992

ACCOUNT	1.0000% GREELEY	1,801.51	18.03
	4.2500% KS-NEW WELL	1,801.51	76.58

*OK*  
*Paul H. Allied*

*OK*  
*172-330*  
*APL*

COMMISSION DIVISION  
WICHITA, KANSAS

TAX EXEMPTION STATUS:	<b>PAY THIS AMOUNT</b>	<b>3,093.12</b>
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P.O. Box 4442  
Houston, TX 77210

**SERVICE OPERATIONS CONTRACT**  
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 297476, Houston, TX 77297

DATE 12-30-91 SERVICE CONTRACT NO. **058914**

CUSTOMER ACCOUNT NO. <u>2019-4</u>	DIST NAME <u>OAKH FS</u>	NEW WELL <input checked="" type="checkbox"/> WELL TYPE	JOB NUMBER
CUSTOMER <u>Bond Oil Co.</u>	DIST NUMBER <u>565</u>	WELL NO. <u>1-17</u>	LEASE NAME & FEDERAL OFFSHORE LEASE NO. <u>Bonds</u>
ADDRESS <u>621 17th #1020</u>	COUNTY/PARISH <u>Geary</u>	CODE <u>471</u>	STATE <u>KS</u> CODE <u>14</u>
CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80293</u>	FIELD NAME <u>Murphy 24</u>	CITY CODE	
AUTHORIZED BY: (Please Print)	ORDER NO.	WELL OWNER <u>Bond Oil Co.</u>	MTA CODE

STAGE NO.	JOB CODE <u>0100</u>	WORKING DEPTH	FT	PUMPING EQUIPMENT	TIME (A OR P)	DATE
TOTAL PREV. GALS.	1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>			TRUCK CALLED	<u>11:00 P</u>	MM <u>12</u> DD <u>30</u> YY <u>91</u>
TOTAL MEAS. DEPTH	SIZE HOLE <u>12 1/4</u> DEPTH <u>7.62</u> FT			ARRIVED AT JOB	<u>10:00 P</u>	<u>12/30/91</u>
	SIZE & WT. CASING <u>2 1/2 204</u> DEPTH <u>3.12</u> FT			START OPERATION	<u>12:00 A</u>	<u>12/31/91</u>
	SIZE & WT. DRILL PIPE OR TUBING	DEPTH	FT	FINISH OPERATION	<u>11:00 P</u>	<u>12/31/91</u>
	PACKER DEPTH	FLUID PUMPED		TIME RELEASED	<u>1:30 A</u>	<u>12/31/91</u>
				MILES FROM STATION TO WELL <u>95</u>	SALESMAN NUMBER	

CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT

MAX. BPM

S/S EMPLOYEE NUMBER

SIZE 2 1/2

REMARKS

**RELEASED**

**12 23 1993**

**FROM CONFIDENTIAL**

**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 04 SIGNED [Signature] (WELL OWNER, OPERATOR, CONTRACT OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

SERVICE REPRESENTATIVE [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

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

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



ORIGINAL

CONTRACT NO. 058914

DATE OF JOB: 2/3/93 DISTRICT: OAKC, KS DIST. NO: 585 AUTHORIZED BY: [Signature] CUSTOMER: Beard Oil Co. RELEASED

PRICE BOOK 04

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	UM	PRICE EXTENSION
101100304	1	Price of Job	674.00	PA	674 00
1011009005	55	Pump truck M. lease (LADDER)	2.47	mi.	135 85
104110504	141	CLASS A	7.11	SK	1002 51
104113018	94	Poz. Mix	3.81	SK	358 14
104115049	560	Cack	.47	lb	268 80
104120145	400	Gal	.15	lb	60 00
109002520	1	8 1/2 plug corda work	52.00	UN	52 00
1043110316	1	8 1/2 wood cup plug	63.25	CA	63 25
102300001	2.28	Handl. & Dumping	1.16	cu ft	334 08
1094011011	583	HAULING 10.6 x 55	.79	T/m	460 57
		sub total			3415 20
		less disc.			956 25
		sub total #1			2458 95
104096100	1	8 1/2 Trans Pnt Mat. G. Shoe	222.00	CA	222 00
104096100	1	8 1/2 insert	256.00	CA	256 00
104096100	3	8 1/2 cordal plugs	60.00	CA	180 00
		sub total			658 00
		less disc.			182 44
		sub total #2			539 56
		sub total #1			2458 95
		sub total #2			539 56
		sub total			2998 51

SERVICE REPRESENTATIVE: [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

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.

TELEPHONE:  
AREA CODE 913 483-2627

# ALLIED CEMENTING COMPANY, INC.

ORIGINAL  
P.O. BOX 31  
RUSSELL, KANSAS 67665

CONFIDENTIAL

RELEASED

TO: Beard Oil Company  
5600 N. May Ave. #200  
Oklahoma City, Ok. 73112

INVOICE NO. 61097  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME Bounds 1-17  
DATE Jan. 8, 1992

FROM CONFIDENTIAL

1-8 2 3 1993

SERVICE AND MATERIALS AS FOLLOWS:

Common 159 sks @\$5.25	\$ 834.75	
Pozmix 106 sks @\$2.25	238.50	
Gel 16 sks @\$6.75	108.00	
Flo seal 66#@\$1.00	<u>66.00</u>	\$ 1,247.25

Handling 265 sks @\$1.00	265.00	
Mileage (100) @\$0.04c per sk per mi	1,060.00	
Plugging	475.00	
Mt @ \$1.00 pmp. trk.	200.00	
1 g	<u>20.00</u>	2,020.00

ACCT PAY  
JAN 20 1992  
JAN 15 1992

*PAID*  
*172-330*  
*AFE*

50 sks. @2580'
80 sks. @1680'
50 sks. @ 800'
50 sks. @ 390'
10 sks. @ 40'
15 sks. in R. H.
10 sks. in M. H.

If account CURRENT 15% discount will be allowed ONLY if paid within 30 days from date of invoice.

THANK YOU

RECEIVED  
BEARD OIL CO.  
JAN 15 1992

3,267.25  
3,218.25  
151030-1

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

CO. WICHITA, KANSAS

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

ORIGINAL

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 2879

New

Date	1-8-92	Sec.	17	Twp.	18	Range	42	Called Out	10:00 A.M.	On Location	2:30 P.M.	Job Start	6:00 P.M.	Finish	10:30 P.M.
Lease	Bouris	Well No.	1-17			Location			Tubing 1 1/2 IN 2 IN 1 IN			County	Greely	State	Ks

Contractor	Murfin
Type Job	R. Plug
Hole Size	7 7/8
Csg.	T.D. 5325
Tbg. Size	Depth 2580
Drill Pipe	4 1/2
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

**EQUIPMENT**

No.	Cementer	Helper	Driver
Pumptrk			
Pumptrk #158		Bob	J.D.
Bulktrk #169			Keith
Bulktrk			

**DEPTH of Job**

Reference:	Pump Truck charge.	475.00
100	Pump Truck mileage	200.00
1	2 5/8 O.H.P.	20.00
	<del>Sub Total</del>	
	<del>Sub Total</del>	
	<b>Total</b>	<b>695.00</b>

Remarks:  
 80sx - 2580 15sx - R.H.  
 80sx - 1680 10sx - M.H.  
 50sx - 800 Thank you  
 30sx - 390 By Allied Cementing  
 10sx - 40 Direct Mr. Werner

Owner Beard Oil Co  
 To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charged To ~~Beard Oil Co~~ Beard Oil Company  
 Street 5600 N. May Ave Suite 205  
 City Okla. City State OKLA. 73112

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.  
 X Louis McKenna

**CEMENT**

Amount Ordered 265 60/10 6% gel 1/4 pd Flo Seal

Consisting of			
Common	159	5.25	834.75
Poz. Mix	106	2.25	238.50
Gel.	16	6.75	108.00
Chloride			
Quickset			
	Flo Seal 66	1.00	66.00

Handling 265 1.00 265.00

Mileage 100 1060.00

Floating Equipment

**Total** 2572.25

TOTAL # 3267.25  
 Disc - 490.09

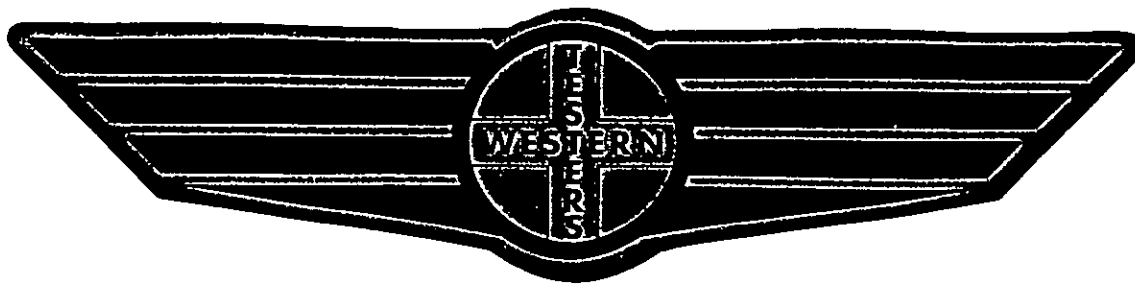
RELEASED # 277716  
 FEB 23 1993

FROM CONFIDENTIAL

CO. 10/17/92



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

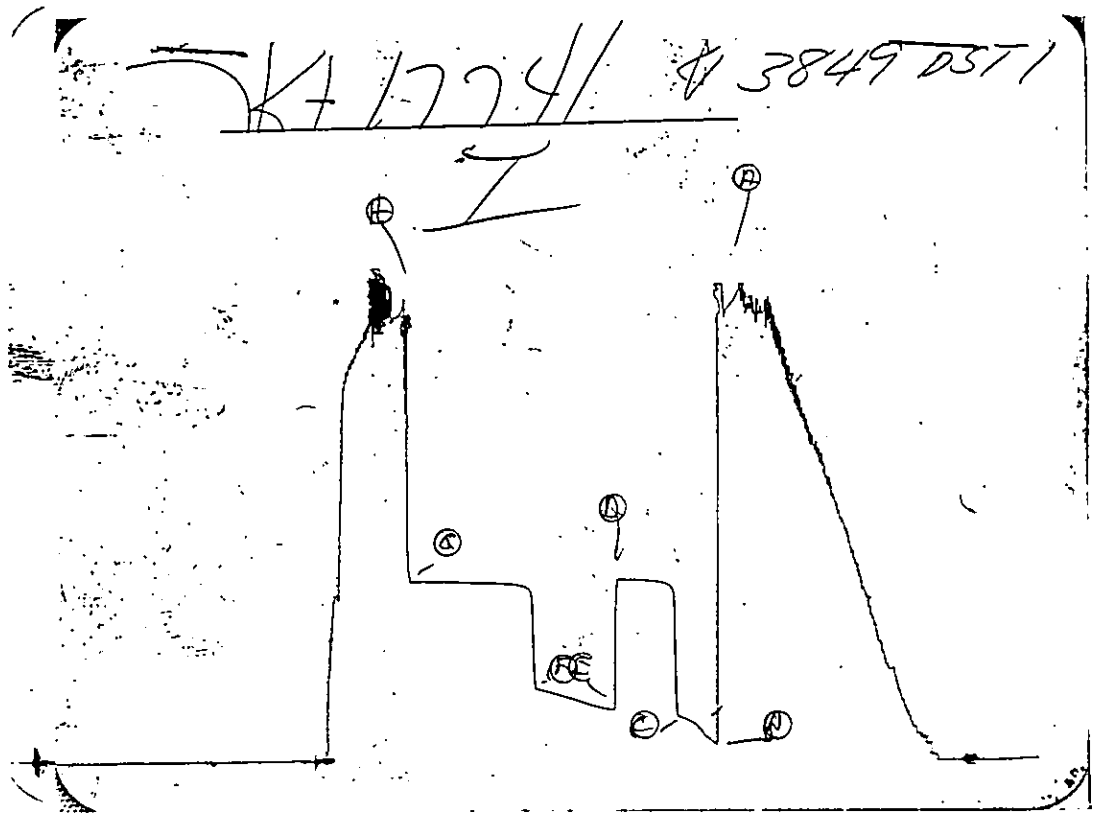
Phone 1 - 800 - 688 - 7021

COMPANY BEARD OIL COMPANY

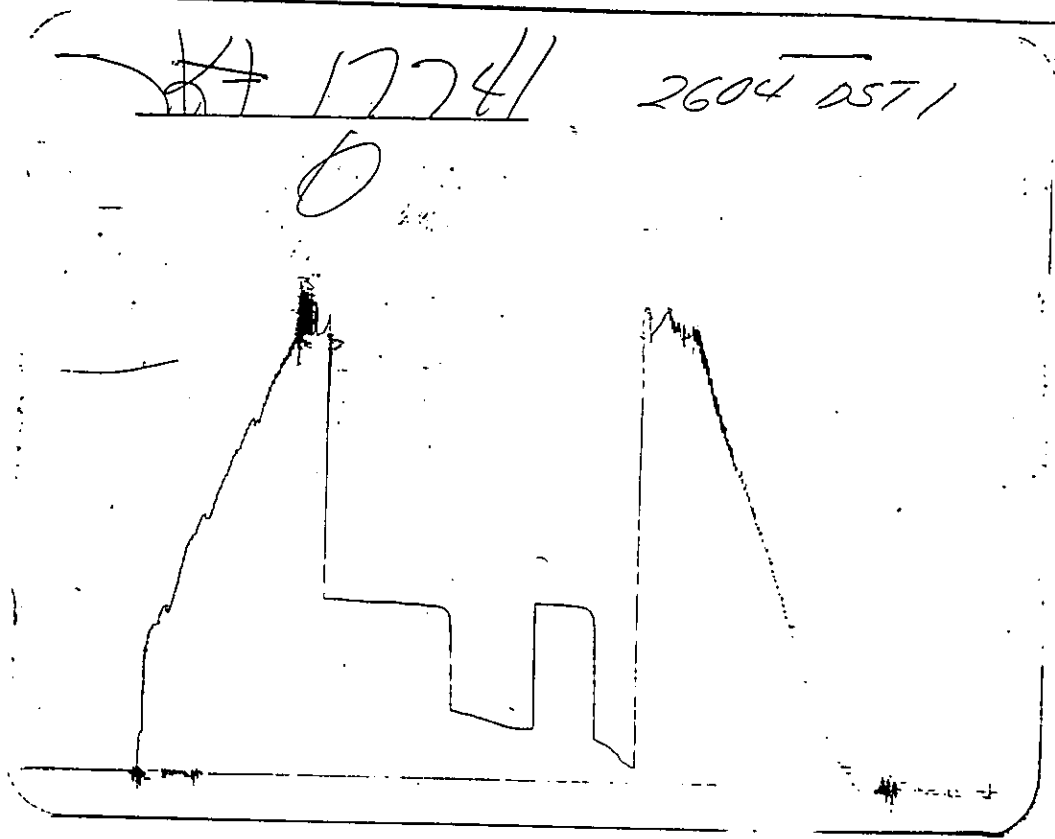
LEASE & WELL NO. BOUNDS #1-17

SEC. 17 TWP. 18SRGE. 42WTEST NO. 1

DATE 1/7/92



Inside Recorder



Outside Recorder

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 1-7-92  
CUSTOMER : BEARD OIL COMPANY  
WELL : 1-17 TEST: 1  
ELEVATION : 3833 KB  
SECTION : 17  
RANGE : 42W COUNTY : GREELEY  
GAUGE SN# : 3849 RANGE : 4200  
TICKET : 17741  
LEASE : BOUNDS  
GEOLOGIST : BRUNS ?  
FORMATION : MORROW SAND  
TOWNSHIP : 18S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 5050 TO : 5150 TOTAL DEPTH : 5375  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 5045 SIZE : 6.63  
PACKER DEPTH : 5050 SIZE : 6.63  
PACKER DEPTH : 5150 SIZE : 6.63  
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN RIG 24  
MUD TYPE : CHEMICAL VISCOSITY : 48  
WEIGHT : 9.3 WATER LOSS (CC) : 8.8  
CHLORIDES (PPM) : 7800  
JARS-MAKE : W.T.C. SERIAL NUMBER : 421  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 332 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4686 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 32 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 100 FT ANCHOR SIZE : 5.50  
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75  
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK 1/2 INCH TO STRONG  
BLOW COMMENT #2 : BOTTOM OF BUCKET IN 13 MINUTES.  
BLOW COMMENT #3 : FINAL FLOW PERIOD SURFACE BLOW TO STRONG BLOW  
BLOW COMMENT #4 : IN 18 MINUTES.

RECOVERED : 190 FT OF: SLY GAS CUT MUD  
 RECOVERED : 180 FT OF: SLY GAS CUT WATERY MUD  
 RECOVERED : 430 FT OF: WATER  
 RECOVERED : 0 FT OF: R.W. 0.14 AT 65 DEGREES  
 RECOVERED : 0 FT OF: CHLORIDES 52800 P.P.M.

Total Barrels Fluid = 8.20  
 Total Fluid Prod Rate = 131.15 BFPD  
 Indicated Wtr Rate = 79.51 BWPD

REMARK 1 :  
 REMARK 2 : TAIL PIPE = 215 FT. OF 6 1/8" - 10 FT. OF 5 1/2" TOTAL=225 FT.  
 REMARK 3 :  
 REMARK 4 :

SET PACKER(S) :	1:20 A.M.	TIME STARTED OFF BOTTOM :	5:05 A.M.
WELL TEMPERATURE :	136		
INITIAL HYDROSTATIC PRESSURE		(A)	2586
INITIAL FLOW PERIOD MIN:	30	(B)	96 PSI TO (C) : 248
INITIAL CLOSED IN PERIOD MIN:	45	(D)	997
FINAL FLOW PERIOD MIN:	60	(E)	290 PSI TO (F) : 398
FINAL CLOSED IN PERIOD MIN:	93	(G)	990
FINAL HYDROSTATIC PRESSURE		(H)	2536

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BEARD OIL COMPANY  
RIG : GREELEY-KANSAS  
FIELD : BOUNDS  
WELL : 1-17  
DATE : 1-7-92  
GAUGE NO : 3849

OPERATIONAL COMMENTS

TAIL PIPE = 215 FT. OF 6 1/8" - 10 FT. OF 5 1/2" TOTAL=225 FT.

COMPANY : BEARD OIL COMPANY  
 WELL : 1-17  
 GAUGE # : 3849  
 DATE : 7/ 1/92

FIELD : BOUNDS  
 JOB # : 17741  
 DEPTH : 5375  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	1:20: 0	0.000	96.000	136.00	0.000
3	1:24:59	0.083	110.000	136.00	14.000
4	1:30: 0	0.167	144.000	136.00	34.000
5	1:35: 0	0.250	195.000	136.00	51.000
6	1:39:59	0.333	217.000	136.00	22.000
7	1:45: 0	0.417	234.000	136.00	17.000
8	1:50: 0	0.500	248.000	136.00	14.000
INITIAL SHUT-IN PERIOD					
9	1:53: 0	0.550	870.000	136.00	622.000
10	1:56: 0	0.600	955.000	136.00	85.000
11	1:59: 0	0.650	972.000	136.00	17.000
12	2: 2: 0	0.700	979.000	136.00	7.000
13	2: 5: 0	0.750	983.000	136.00	4.000
14	2: 8: 0	0.800	987.000	136.00	4.000
15	2:11: 0	0.850	990.000	136.00	3.000
16	2:14: 0	0.900	992.000	136.00	2.000
17	2:17: 0	0.950	994.000	136.00	2.000
18	2:20: 0	1.000	995.000	136.00	1.000
19	2:23: 0	1.050	996.000	136.00	1.000
20	2:26: 0	1.100	997.000	136.00	1.000
21	2:29: 0	1.150	997.000	136.00	0.000
22	2:32: 0	1.200	997.000	136.00	0.000
23	2:35: 0	1.250	997.000	136.00	0.000
FINAL FLOW PERIOD					
24	2:36: 0	1.267	290.000	136.00	-707.000
25	2:39:59	1.333	290.000	136.00	0.000
26	2:45: 0	1.417	296.000	136.00	6.000
27	2:50: 0	1.500	304.000	136.00	8.000
28	2:54:59	1.583	315.000	136.00	11.000
29	3: 0: 0	1.667	327.000	136.00	12.000
30	3: 5: 0	1.750	340.000	136.00	13.000
31	3: 9:59	1.833	351.000	136.00	11.000
32	3:15: 0	1.917	362.000	136.00	11.000
33	3:20: 0	2.000	373.000	136.00	11.000
34	3:24:59	2.083	384.000	136.00	11.000
35	3:30: 0	2.167	394.000	136.00	10.000
36	3:35: 0	2.250	398.000	136.00	4.000
FINAL SHUT-IN PERIOD					
37	3:38: 0	2.300	877.000	136.00	479.000
38	3:41: 0	2.350	945.000	136.00	68.000
39	3:44: 0	2.400	959.000	136.00	14.000
40	3:47: 0	2.450	966.000	136.00	7.000
41	3:50: 0	2.500	972.000	136.00	6.000
42	3:53: 0	2.550	975.000	136.00	3.000
43	3:56: 0	2.600	977.000	136.00	2.000
44	3:59: 0	2.650	978.000	136.00	1.000
45	4: 2: 0	2.700	979.000	136.00	1.000
46	4: 5: 0	2.750	979.000	136.00	0.000
47	4: 8: 0	2.800	980.000	136.00	1.000
48	4:11: 0	2.850	980.000	136.00	0.000

COMPANY : BEARD OIL COMPANY  
WELL : 1-17  
GAUGE # : 3849  
DATE : 7/ 1/92

FIELD : BOUNDS  
JOB # : 17741  
DEPTH : 5375  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	4:14: 0	2.900	981.000	136.00	1.000
50	4:17: 0	2.950	981.000	136.00	0.000
51	4:20: 0	3.000	981.000	136.00	0.000
52	4:23: 0	3.050	982.000	136.00	1.000
53	4:26: 0	3.100	983.000	136.00	1.000
54	4:29: 0	3.150	984.000	136.00	1.000
55	4:32: 0	3.200	985.000	136.00	1.000
56	4:35: 0	3.250	986.000	136.00	1.000
57	4:38: 0	3.300	987.000	136.00	1.000
58	4:41: 0	3.350	988.000	136.00	1.000
59	4:44: 0	3.400	988.000	136.00	0.000
60	4:47: 0	3.450	989.000	136.00	1.000
61	4:50: 0	3.500	989.000	136.00	0.000
62	4:53: 0	3.550	989.000	136.00	0.000
63	4:56: 0	3.600	990.000	136.00	1.000
64	4:59: 0	3.650	990.000	136.00	0.000
65	5: 2: 0	3.700	990.000	136.00	0.000
66	5: 5: 0	3.750	990.000	136.00	0.000
67	5: 8: 0	3.800	990.000	136.00	0.000

WESTERN TESTING CO. INC.

FLUID SAMPLE REPORT

Date : 1-7-92 Ticket No. : 17741  
Company : BEARD OIL COMPANY  
Well Name & No. : BOUNDS 1-17  
DST No. 1  
County : GREELEY State : KANSAS  
Sampler No. : 200 Test Interval : 5050-5150

=====

Pressure in Sampler 85 PSIG BHT 136 Deg F

Total Volume of Sampler : 3150 cc  
Total Volume of Sample : 2900 cc  
Oil: cc  
Water: 2900 cc  
Mud: cc  
Gas: 14.26cu ft  
Other: cc

=====

RESITIVITY

Drilling Mud 0.14 @ 65 F Chloride Content 52800 ppm

Mud Pit Sample 0.56 @ 60 F Chloride Content 12870 ppm

Gas/Oil Ratio Gravity API @ Deg F

Where was sample drained ON LOCATION

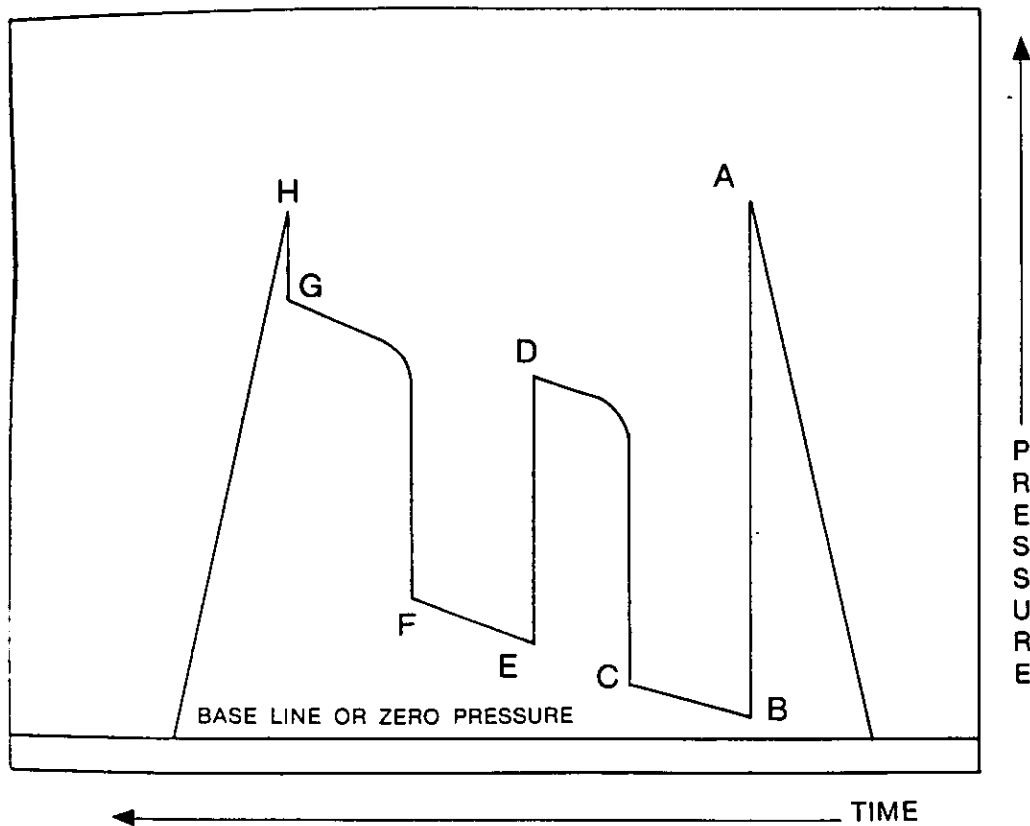
Remarks:



### COMPANY TERMS

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

### AK-1 Recorders



A - Initial Hydrostatic  
B - First Initial Flow  
C - First Final Flow  
D - Initial Shut-In

E - Second Initial Flow  
F - Second Final Flow  
G - Final Shut-In  
H - Final Hydrostatic