

ORIGINAL

SIDE ONE

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

API NO. 15- 1103-23114-0000

County ROOKS

^{105'} E 105' W2 NE Sec. 29 Twp. 10 Rge. 19 East West

Operator: License # 4026

3690 Ft. North from Southeast Corner of Section

Name: ASHBIE OIL CO

1815 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address BOX 194

Lease Name LARGENT-BECK Well # 3

Field Name BERLAND SE

Producing Formation ARBUCKLE

Elevation: Ground 2213 KB 2218

Total Depth 3850' PBD 3750

City/State/Zip ELLIS, KS 67637

Purchaser: INLAND CRUDE

Operator Contact Person: DARWIN L. ASHBAUGH

Phone (913) 726-3603

Contractor: Name: HELBERG OIL CO.

License: 5669

Wellsite Geologist: TODD E. MORGENSTERN

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

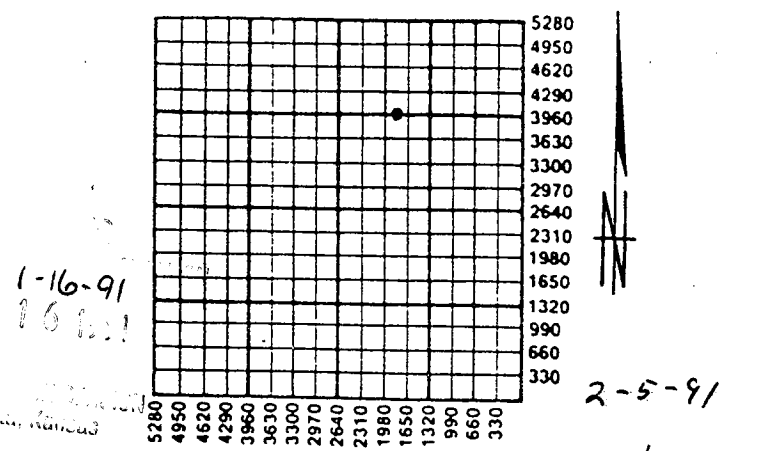
If OWMO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

10-1-90 10-12-90 10-22-90
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 259' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1622 Feet

If Alternate II completion, cement circulated from 275' 1622

feet depth to SURFACE w/ 150 425 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.

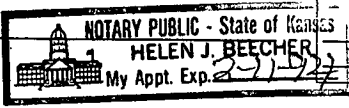
Signature Darwin L. Ashbaugh

Title Dtr. Date 1-15-91

Subscribed and sworn to before me this 15th day of January 1991.

Notary Public Helen J. Beecher

Date Commission Expires 2-11-92



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name ASH-BIE OIL CO

Lease Name LARGENT-DECK Well # 3

Sec. 29 Twp. 10S Rge. 19
 East
 West

County ROOKS

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.)

DST'S SEE ATTACHED COPY

Name	Formation Description	
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
	Top	Bottom
ANHYDRITE	1012'	
TOPEKA	3190'	
HEEBNER	3402'	
TORONTO	3431'	
LANSENG	3443'	
BASE K.C.	3657'	
CONGLOMERATE	3700'	
ARBUCILLE	3763'	
RTD	3850'	

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
<u>SURFACE</u>	<u>12 1/2</u>	<u>8 5/8</u>	<u>23</u>	<u>259'</u>	<u>60/40 10s</u>	<u>150</u>	<u>3% CAL</u>
<u>PRODUCTION</u>	<u>7 7/8</u>	<u>5 1/2</u>	<u>15.5</u>	<u>3839'</u>	<u>60/40 10s</u>	<u>125</u>	<u>2% GEL</u>
			<u>TOP STAGE</u>	<u>1622'</u>		<u>42.5X</u>	<u>6% GEL</u>
				<u>TO SURFACE</u>			<u>RTD CLR</u>

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
<u>4/FT</u>	<u>3783-3786</u>	<u>250 GAL MUD ACID 15%</u>	<u>3783-86</u>

TUBING RECORD

Size 2 7/8 Set At 3800' Packer At _____

Liner Run Yes No

Date of First Production 10-22-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>10</u>	<u>-0-</u>	<u>300</u>		<u>18.5°</u>

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

LARGENT - DECK # 3 DST'S ORIGINAL

DST # 1 3474-3499
WEAK BLOW DIED IN 40 MIN
NO BLOW 45-45-30-30
IFP 33# - 55#
SIP 297#
FFP 44# - 53#
SIP 242#

RECOVERY: 30' DRILLING MUD, SLIGHTLY OIL SPECKED, SOME FREE OIL ON TOOL

DST # 2 3513-3528
WEAK BLOW DIED IN 23 MIN 30 IFP 22# - 22#
30 SIP 615#
NO BLOW 30 FFP 22# - 22#
30 SIP 561#

RECOVERY: 20' DRILLING MUD, SLIGHTLY OIL, SPECKED, SOME FREE OIL ON TOOL

DST # 3 3763-3768
WEAK BLOW 45 IFP 26# - 33#
45 SIP 341#
NO BLOW 45 FFP 40# - 44#
45 SIP 341#

RECOVERY: 10' HEAVY OIL
53' SLIGHTLY OIL CUT WATERY MUD. 5% OIL
40% WATER 55% MUD

DST # 4 3765-3772
(MIS-RUN TOOL PLUGGED)

DST # 5 3767-3772
WEAK BLOW DIED 43 MIN 45 IFP PLUGGING - PLUGGING
45 SIP 176#
NO BLOW 45 FFP ~~110#~~ 33# - 33#
45 SIP 110#

RECOVERY 20' DRILLING MUD

DST # 6 3779-3795 (STRADALE TEST)
STRONG BLOW
STRONG BLOW

IFP ~~1113#~~ 209# - 842#
SIP 1113#
FFP 864# - 1067#
SIP 1113#

RECOVERY: 93' OIL CUT MUDDY WATER
310' OIL CUT MUDDY WATER
310' SLIGHTLY OIL CUT MUDDY WATER
800' SLIGHTLY OIL SALT WATER
837' SLIGHTLY OIL SALT WATER
(20% OIL, 35% WATER, 45% MUD)
(15% OIL, 40% WATER, 45% MUD)
(10% OIL, 65% WATER, 25% MUD)
(2% OIL, 93% WATER)
(1% OIL, 98% WATER, 1% MUD)

STATE OF KANSAS
JUL 10 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

G E O L O G I C A L R E P O R T

ASH-BIE OIL COMPANY

NO. 3 LARGENT-DICK
3960' FROM THE SOUTH LINE
1815' FROM THE EAST LINE
SECTION 29-10S-19W
ROOKS COUNTY, KANSAS

APL 15-163-23114-0000

ORIGINAL

OPERATOR: Ash-Bie Oil Company

WELL: No. 3 Largent-Dick

LOCATION: 3960' from the south line.
1815' from the east line.
Section 29-10S-19W
Rooks County, Kansas

DRILLING CONTRACTOR: Helberg Drilling Company

DRILLING COMMENCED: 10-01-90

DRILLING COMPLETED: 10-12-90

DRILLING TIME: - One (1) foot drilling time was recorded
from 3100' to 3850' RTD.

SAMPLES: Samples were saved and examined from
3200' to 3850' RTD.

ELEVATIONS: 2213' G.L. 2215' D.F. 2218' K.B.

MEASUREMENTS: All depths are measured from 2218' K.B.

CASING RECORD: 8 5/8" set @ 259' with 150 sacks.

FORMATION TESTING: Six (6) tests were run by Diamond Testing
Company.

MUD: Mud-Co. (Starch)

OPEN HOLE LOG: Great Guns
Radiation Guard

PRODUCTION: Oil

ORIGINAL

FORMATION TOPS:

<u>FORMATION</u>	<u>SAMPLE</u>	<u>LOG</u>	<u>DATUM</u>
ANHYDRITE	N/A	1612'	+ 606
TOPEKA	3195'	3190'	- 972
HEEBNER	3408'	3402'	-1184
TORONTO	3432'	3431'	-1213
LANSING	3447'	3443'	-1225
BASE K.C.	3663'	3657'	-1439
CONGLOMERATE	3706'	3700'	-1482
ARBUCKLE	3769'	3763'	-1545
LOG TOTAL DEPTH	****	3845'	-1627
ROTARY TOTAL DEPTH	3850'	****	-1632

SAMPLE DESCRIPTIONS AND TEST DATA:

(All depths have been corrected to log measurements)

TOPEKA:

- 3349-3355 Limestone, white and gray, finely crystalline, fossiliferous, very chalky, with very slight staining. (Warrants no further testing.)
- 3370-3374 Limestone, white and gray, finely crystalline, fossiliferous, with fair visible interfossiliferous porosity, trace of staining, dead oil. (Warrants no further testing.)

LANSING-KANSAS CITY:

- 3476-3482 Limestone, white, gray and tan, finely crystalline, fossiliferous, with fair intercrystalline and fossiliferous porosity, slight staining, slight show of free oil, light odor. (Covered by D.S.T. No. 1)
- 3485-3490 Limestone, white and gray, finely crystalline, fossiliferous, with fair interfossiliferous porosity, fair staining and saturation, fair show of free oil, light odor. (Covered by D.S.T. No. 1)

ORIGINAL

FORMATION TEST NO. 1
3474-3499

Weak blow, died in 40 min.	45 min.	I.H.P.	1814#
		I.F.P.	33#-55#
No blow	45 min.	I.S.I.P.	297#
	30 min.	F.F.P.	44#-53#
	30 min.	F.S.I.P.	242#
		F.H.P.	1814#

RECOVERY: 30' drilling mud, slightly oil specked, some free oil on tool.

TEMPERATURE: 102°

3522-3528 Limestone, gray and tan, finely crystalline, fossiliferous, with fair to good interfossiliferous and pinpoint vugular porosity, good staining and saturation, fair show of free oil, light odor. (Covered by D.S.T. No. 2)

FORMATION TEST NO. 2
3513-3528

Weak blow, died in 23 min.	30 min.	I.H.P.	1825#
		I.F.P.	22#-22#
No blow	30 min.	I.S.I.P.	615#
	30 min.	F.F.P.	22#-22#
	30 min.	F.S.I.P.	561#
		F.H.P.	1814#

RECOVERY: 20' drilling mud, slightly oil specked, some free oil on tool.

TEMPERATURE: 102°

3595-3600 Limestone, tan and buff, finely crystalline, dense, slightly cherty, fossiliferous, with poor visible intercrystalline porosity, light spotted staining, very slight show of free oil, no odor. (Warrants no further testing.)

3610-3616 Limestone, white and tan, finely crystalline, fossiliferous, slightly oolitic, very poor visible porosity, scattered staining, very slight show of free oil, questionable light odor. (Warrants no further testing.)

3636-3642 Limestone, white and gray, finely crystalline, dense, chalky, fossiliferous, with scattered pinpoint porosity, very slight show of free oil, no odor. (Warrants no further testing.)

ORIGINAL

ARBUCKLE:

3763-3768 Dolomite, gray and tan, dense to finely crystalline, slightly sucrosic, oolitic, slightly cherty, with fair to good inter-crystalline and pinpoint porosity, with fair to good stain and saturation, slight show of free oil, good odor. (Covered by D.S.T. No. 3)

FORMATION TEST NO. 3

3763-3768

Weak blow	45 min.	I.H.P.	1980#
	45 min.	I.F.P.	26#-33#
No blow	45 min.	I.S.I.P.	341#
	45 min.	F.F.P.	40#-44#
	45 min.	F.S.I.P.	341#
		F.H.P.	1980#

RECOVERY: 10' heavy oil.
53' slightly oil cut watery mud. (5% oil, 40% water, 55% mud)

CHLORIDES: 18,000 P.P.M.

TEMPERATURE: 110°

3769-3772 Dolomite, light gray and tan, sucrosic, fine to medium crystalline, sparry, fair to good pinpoint porosity, good show of dark free oil, dark staining and saturation, good odor. (Covered by D.S.T. No. 4 & 5)

FORMATION TEST NO. 4

3765-3772

(Mis-run, tool plugged)

FORMATION TEST NO. 5

3767-3772

Weak blow, died in 43 min.	45 min.	I.H.P.	1991#
	45 min.	I.F.P.	Plugging-Plugging
No blow	45 min.	I.S.I.P.	176#
	45 min.	F.F.P.	33#-33#
	45 min.	F.S.I.P.	110#
		F.H.P.	1991#

RECOVERY: 20' drilling mud.

TEMPERATURE: 107°

ORIGINAL

-ARBUCKLE: (Cont.)

3776-3782 Dolomite, tan and gray, finely crystalline, mostly dense, cherty, with fair show of free oil, some gray waxy shale.

3783-3791 Dolomite, tan and gray, fine to medium crystalline, some coarse, rhombic, with good intercrystalline and pinpoint vugular porosity, dark staining and saturation, good show of free oil and odor. (Covered by D.S.T. No. 6)

FORMATION TEST NO. 6

3779-3795 (Straddle test)

Strong blow	45 min.	I.H.P.	2002#
		I.F.P.	209#- 842#
Strong blow	45 min.	I.S.I.P.	1113#
	45 min.	F.F.P.	864#-1047#
	45 min.	F.S.I.P.	1113#
		F.H.P.	1969#

RECOVERY:

- 93' oil cut muddy water. (20% oil, 35% water, 45% mud)
- 310' oil cut muddy water. (15% oil, 40% water, 45% mud)
- 310' slightly oil cut muddy water. (10% oil, 65% water, 25% mud)
- 800' slightly oil salt water. (2% oil, 93% water, 5% mud)
- 837' slightly oil salt water. (1% oil, 98% water, 1% mud)

CHLORIDES: 20,000 P.P.M.

TEMPERATURE: 114°

3799-3805 Dolomite, fine to medium crystalline, rhombic, with good intercrystalline and vugular porosity, fair to good dark staining, gilsonite, good odor and show of free oil.

3807-3817 Dolomite, as above, very slight show of free oil, fair odor.

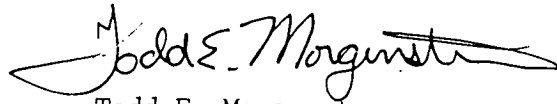
3820-3830 Dolomite, as above, slightly cherty, dense, poor visible porosity, less show, light odor.

ORIGINAL

SUMMARY:

The No. 3 Largent-Dick was under geological supervision from 3200' to 3850' RTD. Please note that rotary measurements were off 5' to 6'. After the positive results of D.S.T. No. 6 and reviewing the open hole log, it was recommended that 5 1/2" production casing be run and this well completed through perforations.

Respectfully submitted,

A handwritten signature in cursive script that reads "Todd E. Morgenstern". The signature is written in dark ink and is positioned above the printed name.

Todd E. Morgenstern
Geologist

ORIGINAL

DRILLING TIMES:

3101-3110	3-3-3-5-4-5-5-5-4-4
3111-3120	4-3-3-3-4-4-3-2-3-3
3121-3130	3-3-3-5-4-5-4-5-5-6
3131-3140	6-6-5-5-5-2-6-6-5-3
3141-3150	4-3-2-4-4-6-6-3-4-4
3151-3160	5-2-2-2-2-3-3-3-4-4
3161-3170	4-4-3-3-3-3-3-4-4-4
3171-3180	3-4-4-4-4-5-5-3-5-6
3181-3190	5-4-4-3-3-4-3-4-3-4
3191-3200	3-3-3-3-4-9-8-8-7-10
3201-3210	8-8-5-5-8-5-6-6-6-6
3211-3220	5-4-5-4-3-4-5-6-4-5
3221-3230	2-2-2-2-2-2-1-2-3-3
3231-3240	6-4-2-5-7-3-5-9-6-5
3241-3250	5-5-6-6-5-4-4-4-5-8
3251-3260	4-6-5-6-6-6-5-7-7-4
3261-3270	4-5-4-5-3-3-4-5-3-2
3271-3280	4-6-2-1-2-1-2-2-2-2
3281-3290	2-1-2-1-2-1-1-1-4-5
3291-3300	7-7-3-5-3-4-3-1-2-4
3301-3310	5-5-5-5-5-5-5-5-5-5
3311-3320	5-5-5-5-5-5-2-4-2-3
3321-3330	2-4-4-5-5-4-4-5-4-5
3331-3340	5-5-5-4-4-5-4-4-5-5
3341-3350	6-5-5-5-4-5-6-5-6-7
3351-3360	6-5-5-4-4-3-4-3-4-4
3361-3370	6-6-7-8-7-7-8-6-7-6
3371-3380	7-6-7-7-4-4-4-7-8-6
3381-3390	6-5-5-6-6-8-8-6-3-7
3391-3400	7-6-8-7-6-8-6-7-7-8
3401-3410	6-7-7-8-7-9-8-9-5-4
3411-3420	7-9-9-9-9-11-8-7-8-5
3421-3430	7-7-8-9-9-9-8-9-8-9
3431-3440	9-8-9-9-9-9-9-9-8-9
3441-3450	9-10-10-8-9-9-9-10-9-10
3451-3460	7-9-11-10-10-9-12-11-12-11
3461-3470	11-9-10-11-12-10-12-13-15-12
3471-3480	13-13-15-13-13-16-15-14-17-15
3481-3490	12-11-10-10-8-10-10-9-10-13
3491-3500	8-7-8-7-9-11-13-13-12-14
3501-3510	13-12-13-13-11-9-8-13-14-13
3511-3520	8-11-11-12-15-9-13-16-7-15
3521-3530	10-10-14-8-14-12-12-9-2-6
3531-3540	2-4-4-7-7-5-7-9-8-6
3541-3550	7-8-4-6-6-7-9-12-9-9
3551-3560	10-10-11-12-10-8-8-12-11-13
3561-3570	12-12-11-11-11-12-8-12-11-8
3571-3580	8-13-12-7-7-8-8-10-11-11
3581-3590	9-9-15-12-9-11-8-13-12-12
3591-3600	13-12-14-8-13-10-9-10-8-8

ORIGINAL

DRILLING TIMES: (Cont.)

3601-3610	6-7-7-10-10-13-14-14-11-10
3611-3620	13-14-14-14-10-10-13-12-12-9
3621-3630	9-9-10-13-9-9-9-9-10-10
3631-3640	8-8-9-5-5-5-5-5-5-5
3641-3650	6-7-9-8-9-8-9-9-10-10
3651-3660	10-9-9-8-8-8-7-7-9-10
3661-3670	9-9-5-6-6-4-4-4-6-6
3671-3680	4-3-4-3-4-4-5-4-5-3
3681-3690	3-3-3-3-2-4-5-5-5-6
3691-3700	5-7-7-6-6-5-4-6-7-7
3701-3710	6-6-6-6-6-5-2-2-2-2
3711-3720	2-2-3-2-3-4-3-2-3-3
3721-3730	3-3-2-3-3-3-3-3-3-4
3731-3740	2-4-3-4-3-4-4-4-5-5
3741-3750	4-3-3-3-2-4-8-7-7-7
3751-3760	7-6-7-8-8-9-7-9-11-11
3761-3770	8-11-7-9-8-9-8-9-8-7
3771-3780	5-3-5-6-5-4-3-4-3-5
3781-3790	4-4-6-7-5-5-6-5-5-4
3791-3800	3-4-3-2-2-3-5-4-4-4
3801-3810	4-6-5-6-8-6-7-5-8-7
3811-3820	7-8-7-7-8-5-7-8-7-6
3821-3830	6-4-5-5-5-7-5-5-9-7
3831-3840	5-8-9-5-7-9-9-6-8-6
3841-3850	4-6-7-5-4-8-4-6-8-8-RTD



ORIGINAL

SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 627570

DATE OF JOB	MM DD YY	DISTRICT	DIST. NO.	AUTHORIZED BY
	10 1 90	HAYS	3370	
CUSTOMER		Ash-Bio Oil Co		

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
01	101100321		Pump Truck Charge	1,145. ⁰⁰	E	1,145 00
	101101501		Additional stage	950. ⁰⁰	E	950 00
	101109005	15	Pump Truck mileage	2.35	mi	35 25
	104105004	338	COMMON CEMENT	5.45	Q	1842 10
	104115018	212	POZ	2.88		610 56
	104120145	2663	Gel	.13	L	346 19
	104122020	705	Gypsum A-10	.22	L	155 10
	104115049	88	Cal chloride	.46	L	40 48
	10425010	500	Mud Sweep	1.45	G	725 00
	104250101	550	Handling & Pumping	1.10	SK	551 10
	110740101	388.5	Handling 25.9 TONS 15M	.75	SK	291 38
	104109600	1	D.V. Tool	3135. ⁰⁰	E	3135 00
	104109600	7	Centrifizer	46.75	E	327 25
	104109600	1	Insert	188. ⁰⁰	E	188 00
	104109600	1	Guide shoe	124. ⁰⁰	E	124 00
	104109600	1	BASKet	140. ⁰⁰	E	140 00
			Subtotal			10606 41
			less			2121 28
			Subtotal			8485 13

STATE CORPORATION COMMISSION
 JAN 29 1991
 CONSERVATION DIVISION

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
B. J. R. K. K.	[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.

BJ-TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

CEMENTING LOG

STAGE NO.

ORIGINAL

CEMENT DATA

Spacer Type: 500 gal mud sweep
 Amt _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
Shelled Excess _____

Amt 125 Skys Yield 1.5 ft³/sk Density _____ PPG
 Tail Pump Time _____ hrs. Type _____

50/50 6% (W) Excess _____
 Amt 425 Skys Yield 1.5 ft³/sk Density _____ PPG

WATER: Lead 7.18 gals/sk Tail 2.56 gals/sk Total 9.74 Bbls

Pump Trucks Used 8009-Deer
 Bulk Equip. 2036 Ruff
2600 Fitt

Float Equip. Manufacturer Baker
 Shoe Type Cement plug Depth _____

Float Type AFU Depth _____
 Centralizers: Quantity 7 Plugs Top _____ Btm _____

Stage Collars _____
 Special Equip. Basket

Disp. Fluid Type Water Amt _____ Bbls. Weight _____ PPG
 Mud Type Chemical Weight 9.2 PPG

COMPANY REPRESENTATIVE Durwin Ashbaugh CEMENTER Bill R. Jackson

Date 10-13-90 District HAYS Ticket No. 0570
 Company Ash-Rie Oil Co Rig Helberg
 Lease Larsen-Pick Well No. 3
 County Rooks State Ks
 Location _____ Field _____
55 SW Zurich

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight _____ Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 7 1/2 I.D. 3850 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 10214 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 10149 Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						Pipe set at 3839'
						Shoe at 33
						Insert at 3806
				10		Mix & pump 500 gal mud sweep
				22		Cement w/ 125 sks sugar
						pump plus w/ 53 bbls water
						used 13 1/2 bbls mud
						ford plug at 1200 PSI
						D.U. at 1622'
						open tool at _____ P. S. S. S.
				71		Cement w/ 425 lbs 5 1/2" 67.00
				39 1/2		pump plus w/ 34 1/2 bbls of water
						used 13 1/2 bbls mud
						1200 PSI TC (Close Tool)



B.J. TITAN SERVICES
LOAD SHEET

JOB NUMBER	CONTRACT NUMBER 627570	DATE 10-12-90	DIRECT SHIPMENT FROM	DISTRICT NAME Hays
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CUSTOMER NAME AND ADDRESS Ash-Bre Qd	DIRECT SHIPMENT FROM
ORIGINAL	VENDOR NAME BJ Services

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1	410504	Common Cement	Q	338		
2	415018	Pozmix	Q	212		
3	415049	Cal chloride		88		
4	425010	Mud Sweep	G	500		
5	420145	Seal	L	2663		
6	428020	Gyp Seal	L	705		
7						
8						
9						
10						
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STATE CORPORATION COMMISSION
 JAN 29 1991
 CONSERVATION DIVISION

COPY 1 - DISTRICT COPY COPY 2 - CUSTOMER COPY COPY 3 - HOUSTON	LOADED BY: <u>Dean Rundle</u>	CUSTOMER: <u>Dean R. Kelly</u>
	<u>Dean Rundle</u>	SIGNATURE
	SIGNATURE	DATE: <u>10-12-90</u>

CEMENTING — DISPATCH SHEET

Job Number: <i>627570</i>		By		Field		Date <i>10-12-90</i>	
Company <i>Ash-Bie Oil Co</i>				Lease Name and Number <i>Largent-Dick #3</i>			
Company Rep. & Phone		Formation		County <i>Rook</i>			
Tubing Size & Weight		Depth		Casing Size & Weight <i>5 1/2</i>		Depth	
Type Job <i>two stage</i>		Pre Flush		Hole Size			
1st Stage <i>cem w/ 125 sk surfill & 425 sk</i>							
Lead	Yield	Weight	Water	Tail	Yield	Weight	Water
2nd Stage							
Lead	Yield	Weight	Water	Tail	Yield	Weight	Water
Location Time		Pump Time		Call in Time		Yard Time	
Top Plug		Bottom Plug		Displacement Type (Fluid)			
Special Instructions							
<i>Convey Leader: Dean Runkle</i>							
Cementer <i>Bill Leiker</i>		Unit # <i>P17500</i>		Directions <i>SS 2W quick</i>			
Unit No.	Driver	Float Equipment and Price					
Front Pot		Unit No. <i>2036</i>		Back Pot		Unit No. <i>2020</i>	
Materials		Pounds		Materials		Pounds	
<i>Commo</i>		<i>31772</i>					
<i>Pozmix</i>		<i>15688</i>					
<i>CC</i>		<i>88</i>					
<i>Mud Sweep</i>		<i>500 gal</i>					
<i>Sel</i>		<i>2663</i>					
<i>Supsed</i>		<i>705</i>					
Total Pounds		Total Pounds		Total Pounds		Total Pounds	

STATE CORPORATION COMMISSION
 JAN 29 1991
 CONSERVATION DIVISION
 Wichita, Kansas