

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 8061
Name: Oil Producers, Inc. of Kansas
Address: P.O. Box 8647
City/State/Zip: Wichita, KS 67208
Purchaser: N/A
Operator Contact Person: Diana Richecky
Phone: (316) 681-0231
Contractor: Name: Cheyenne Drilling LP
License: 5382
Wellsite Geologist: N/A

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

<u>3/13/2004</u>	<u>3/14/2004</u>	<u>4/08/2004</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 081-21520-00-00
County: Haskell Approx. 170' South of _____
NE 1/4 SW 1/4 Sec. 21 Twp. 30 S. R. 32 East West
1150 1164 GPS KQR feet from (S) N (circle one) Line of Section
2640 2781 GPS feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Leonard Well #: 2-21 (SWD)
Field Name: N/A
Producing Formation: N/A
Elevation: Ground: 2873 Kelly Bushing: 2878
Total Depth: 1550' Plug Back Total Depth: 1505'
Amount of Surface Pipe Set and Cemented at 692 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 # VKQR 5/30/07
(Data must be collected from the Reserve Pit)
Chloride content 12,800 ppm Fluid volume 160 bbls
Dewatering method used Evaporate
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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 of 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: PRESIDENT Date: 4/8/2004

Subscribed and sworn to before me this 8th day of April, 2004

Notary Public: DIANA L. RICHECKY
Notary Public - State of Kansas
My Appt. Expires [Signature]
Date Commission Expires: 1/12/2008

KCC Office Use ONLY
NO Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Oil Producers, Inc. of Kansas Lease Name: Leonard Well #: 2-21 (SWD)
 Sec. 21 Twp. 30 S. R. 32 East West County: Haskell

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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)

Log Name	Formation (Top), Depth and Datum	Sample Datum
N/A		

List All E. Logs Run:

Dual Receiver Cement Bond Log, Gamma Ray Neutron Log

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		8 5/8"	23#	692'	see note #1	see note	see note #1
Production		4 1/2"	10.5#	1549'	see note #1	see note	see note #1

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

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

TUBING RECORD	Size	Set At	Packer At	Liner Run
	4 1/2" 2.375	1236.62	1239.74	Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method						
N/A	Flowing	Pumping	Gas Lift	Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas Vented Sold Used on Lease (if vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

ORIGINAL

Note 1:

Surface	Type of Cement	Type and Percent Additives
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175 sacks	A-con	
125 sacks	Common	

Production

175 sacks	A-con	
150 sacks	AA-2	

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ORIGINAL

SALES OFFICE:
 100 S. Main
 Suite #607
 Wichita KS 67202
 (316) 262-3699
 (316) 262-5799 FAX

SALES & SERVICE OFFICE:
 10244 NE Hiway 61
 P.O. Box 8613
 Pratt, KS 67124-8613
 (620) 672-1201
 (620) 672-5383 FAX

SALES & SERVICE OFFICE:
 1700 S. Country Estates Rd.
 P.O. Box 129
 Liberal, KS 67905-0129
 (620) 624-2277
 (620) 624-2280 FAX

Invoice

Bill to:		6395901	Invoice	Invoice Date	Order	Order Date
OIL PRODUCERS INC. OF KANSAS			403099	3/24/04	7508	3/13/04
P.O. Box 8647			Service Description			
Wichita, KS 67208			Cement			
RECEIVED APR 09 2004 KCC WICHITA			Lease		Well	
			Leonard		2-21 SWD	
A/E	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	T. Thomson	S. Frederick	New Well		Net 30	

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D201	A-CON BLEND (COMMON)	SK	175	\$13.08	\$2,289.00 (T)
D200	COMMON	SK	125	\$10.39	\$1,298.75 (T)
C310	CALCIUM CHLORIDE	LBS	816	\$0.75	\$612.00 (T)
C194	CELLFLAKE	LB	68	\$2.00	\$136.00 (T)
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00 (T)
F303	BAFFLE PLATE ALUMINUM, 8 5/8"	EA	1	\$72.00	\$72.00 (T)
F163	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00 (T)
F123	BASKET, 8 5/8"	EA	1	\$290.00	\$290.00 (T)
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	25	\$2.00	\$50.00
E107	CEMENT SERVICE CHARGE	SK	300	\$1.50	\$450.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	25	\$3.25	\$81.25
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	340	\$1.30	\$442.00
R302	CEMENT PUMPER, 501-1000' 1ST 4 HRS ON LOC	EA	1	\$935.00	\$935.00

Sub Total: \$6,991.00

Discount: \$2,237.12

Discount Sub Total: \$4,753.88

Haskell County & State Tax Rate: 5.80% Taxes: \$198.49

(T) Taxable Item

Total: \$4,952.37

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



ORIGINAL

FIELD ORDER 7508

INVOICE NO.		Subject to Correction	
Date 3-13-04	Lease Leonard	Well # 2-27-SWD	Legal 21-305-324
Customer ID	County Haskell	State KS	Station LIBERAL
OIL PRODUCERS		Depth	Formation
		Shoe Joint 43	
Casing 8 5/8	Casing Depth 696	TD 695	Job Type 8 5/8 SURFACE (NW)
Customer Representative Tim Thomson		Treater Shawn FREDERICH	

CHARGE

(Chayene 611)

AFE Number	PO Number	Materials Received by <i>[Signature]</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D201	175 sh	A-Top Bleed (common)	✓			
D200	125 sh	Common	✓			
C310	816 lb	CALCIUM CHLORIDE	✓			
C194	68 lb	CELLULOSE	✓			
R701	1ea	CMT HEAD RENTAL				
F303	1ea	BAFFLE PLATE	✓			
F163	1ea	WOODEN PLUG	✓			
F123	1ea	BASKET	✓			
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KCG WICHITA						
E101	25 mi	P.U. mileage				
E107	300 SH	CMT SERVICE charge				
E100	25 mi	UNITS 1 MILES 1 way				
E104	340 Tm	TONS 14 MILES 25				
R302	1ea	EA. 4 hrs PUMP CHARGE				
Discounted TOTAL						4,753.88
PLUS TAX						

10244 NE Hiway 61 · P.O. Box 8613 · Pratt, KS 67124-8613 · Phone (620) 672-1201 · Fax (620) 672-5383

TOTAL

TREATMENT REPORT



Customer ID		Date	
Customer Oil Producers		3-13-04	
Lease Leonard	Lease No.	Well # 2-27 SWD	

Field Order # 7508	Station LIBERAL	Casing 8 5/8	Depth 696	County Haskell	State KS
Type Job 8 5/8 Surface (NW)			Formation	Legal Description 21-308-32W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 125 SH A-CON		RATE	PRESS	ISIP
Depth 696	Depth	From	To	Pre-Pack 125 SH Common		Max		5 Min.
Volume 42	Volume	From	To	Pad		Min		10 Min.
Max Press 1000	Max Press	From	To	Frac		Avg		15 Min.
Well Connection Swedge	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush WATER		Gas Volume		Total Load

Customer Representative Tim Thomson	Station Manager Dirk Morris	Treater Shawn Frederick
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Service Units	28	100	38	72				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1600					Called out for job
1930					ON LOCATION / RIG DRILLING
1935					PRE-JOB SAFETY MEETING
1940					RIG UP P.T.
2050					Through Drilling / Pull D.P.
2145					START IN W/ CASING / F.E.
2230					CASING ON BOTTOM / Hook up Swedge
2235					BREAK CIR W/ RIG
2245					Through CIR / Hook lines to PT
2250	200		80	5	Pump 125 SH A-CON w/ 3% CC
					1/4" cell plate @ 11.8#
2305	0		30	5	Pump 125 SH Common w/ 3% CC
					1/4" cell plate @ 14.8#
2312					SHUT DOWN / Drop Plug
2314	0		42	4	Pump Disp
2317	150		(12 in)	4	CONT TO PIT
2325	250		(32 in)	2	SLOW RATE
2330	600			2	LAND PLUG
2332					Returns Flow Shut in
0030					JOB Complete

ORIGINAL



SALES OFFICE:
 100 S. Main
 Suite #607
 Wichita KS 67202
 (316) 262-3699
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SALES & SERVICE OFFICE:
 1700 S. Country Estates Rd.
 P.O. Box 129
 Liberal, KS 67905-0129
 (620) 624-2277
 (620) 624-2280 FAX

Invoice

Bill to:		6395901	Invoice	Invoice Date	Order	Order Date
OIL PRODUCERS INC. OF KANSAS P.O. Box 8647 Wichita, KS 67208			403100	3/24/04	7509	3/14/04
Service Description						
Cement						
Lease					Well	
Leonard					2-21 SWD	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	T. Thomson	S. Frederick	New Well		Net 30	

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<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D105	AA2 (PREMIUM)	SK	150	\$13.74	\$2,061.00 (T)
D201	A-CON BLEND (COMMON)	SK	175	\$13.08	\$2,289.00 (T)
C310	CALCIUM CHLORIDE	LBS	330	\$0.75	\$247.50 (T)
C194	CELLFLAKE	LB	42	\$2.00	\$84.00 (T)
C312	GAS BLOCK	LB	106	\$5.00	\$530.00 (T)
C321	GILSONITE	LB	705	\$0.60	\$423.00 (T)
C243	DEFOAMER	LB	36	\$3.00	\$108.00 (T)
C221	SALT (Fine)	GAL	775	\$0.25	\$193.75 (T)
C195	FLA-322	LB	113	\$7.50	\$847.50 (T)
F100	TURBOLIZER, 4 1/2"	EA	4	\$67.00	\$268.00 (T)
F142	TOP RUBBER CEMENT PLUG, 4 1/2"	EA	1	\$55.00	\$55.00 (T)
F230	FLAPPER TYPE INSERT FLOAT VALVES, 4 1/2"	EA	1	\$150.00	\$150.00 (T)
F190	GUIDE SHOE-REGULAR, 4 1/2"	EA	1	\$125.00	\$125.00 (T)
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00 (T)
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00 (T)
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	25	\$2.00	\$50.00
E701	BALL INJECTOR	EA	1	\$275.00	\$275.00
E107	CEMENT SERVICE CHARGE	SK	325	\$1.50	\$487.50
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	25	\$3.25	\$81.25
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	383	\$1.30	\$497.90
R303	CEMENT PUMPER, 1001-1500' 1ST 4 HRS ON LOC	EA	1	\$1,239.00	\$1,239.00

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

ORIGINAL



SALES OFFICE:
100 S. Main
Suite #607
Wichita KS 67202
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Pratt, KS 67124-8613
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(620) 672-5383 FAX

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1700 S. Country Estates Rd.
P.O. Box 129
Liberal, KS 67905-0129
(620) 624-2277
(620) 624-2280 FAX

Invoice

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	Sub Total:	\$10,467.40
	Discount:	\$3,162.17
	Discount Sub Total:	\$7,305.23
<i>Haskell County & State Tax Rate: 5.80%</i>	Taxes:	\$317.22
<i>(T) Taxable Item</i>	Total:	\$7,622.45

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

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INVOICE NO.		Subject to Correction		FIELD ORDER 7509	
Date	3-14-04	Lease	Leonard	Well #	2-21 SWD
Customer ID		County	Haskell	State	KS
		Depth		Formation	
				Shoe Joint	43
RECEIVED		Casing	4 1/2	Casing Depth	1552'
APR 09 2004		Customer Representative	Tim Thomson		Treater
				Shawn Frederick	

C H A R G E

OIL PRODUCERS

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(Cheyenne #11) KCC WICHITA

AFE Number	PO Number	Materials Received by	X <i>Shawn Frederick</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D105	150 sh	AAZ (Premium)	✓			
D201	175 sh	A-CON BLEND (common)	✓			
C310	330 lb	CALCIUM CHLORIDE	✓			
C194	42 lb	CELLFLAKE	✓			
C312	106 lb	GAS BLOK	✓			
C321	705 lb	Gilsonite	✓			
C243	86 lb	Deframer	✓			
C221	775 lb	SALT (Fine)	✓			
C195	113 lb	FIA-322	✓			
E100	4 eq	TURBOLIZER 4 1/2	✓			
F142	1 eq	TOP RUBBER PLUG 4 1/2	✓			
F230	1 eq	INSERT FLOAT 4 1/2	✓			
F190	1 eq	Guide Shoe Reg 4 1/2	✓			
C302	500 gal	MUD FLUSH	✓			
C141	2 gal	CC-1	✓			
E101	25 mi	P.O. Mileage				
R701	1 eq	CMT HEAD RENTAL				
E107	325 sh	CMT SERVICE charge				
E100	25 mi	UNITS 1 MILES 1 way				
E104	383 Tm	TONS 15 MILES 25				
R303	1 eq	EA. 4 hrs PUMP CHARGE				
Discounted TOTAL						7,305.23
PLUS TAX						

10244 NE Hiway 61 - P.O. Box 8613 - Pratt, KS 67124-8613 - Phone (620) 672-1201 - Fax (620) 672-5383 TOTAL

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TREATMENT REPORT



KCC WICHITA

Customer ID		Date	
Customer OIL PRODUCERS		3-14-04	
Lease LEONARD		Lease No.	Well # 2-21 SWD

Field Order # 7509	Station LIBERAL	Casing 4 1/2	Depth 1552	County HASKELL	State KS
Type Job 4 1/2 Long STRING (NW)			Formation	Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft		Acid 175 SH A-CON		RATE	PRESS	ISIP
Depth 1552	Depth	From	To	Pre Pad 150 SH AA-2 Perm	Max			5 Min.
Volume 24	Volume	From	To	Pad 500 gal mud FLUSH	Min			10 Min.
Max Press 1500	Max Press	From	To	Frac	Avg			15 Min.
Well Connection P.C.	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush TREATED WATER	Gas Volume			Total Load

Customer Representative T/M THOMSON	Station Manager DIRK MORRIS	Treater SHAWN FREDERICK
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Service Units		100'		28'		38'		72'		Service Log	
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate							
1160											Called out for job
1400											on location / Rig Drilling
1405											PRE-JOB SAFETY MEETING
1410											RIG UP P.T.
1710											Through Drilling / Circulating / Pull D.P.
1915											RUN CASING / FE
2045											CASING ON BOTTOM / Hook up P.C.
2105											BREAK CIR OF RIG
2125											Through Cir / Hook lines to P.T.
2130	200		5	5							Pump 5 BBLs WATER Spacer
2132	200		12	5							Pump 500 gal mud FLUSH
2136	200		5	5							Pump 5 BBLs WATER Spacer
2138	200		94	5							Pump 175 SH A-CON @ 11.5#
2157	Ø		39	5							Pump 150 SH AA-2 Perm @ 14.8#
2203											Shut Down / Drop PLWG / WASH lines
2207	Ø		24.5	5							Pump Disp / CONT TO P.T
2211	500			2							SLOW RATE
2215	1500			2							LAND PLWG
2216											Release Float - - HELD
2220											WASH Lines to P.t
3330											JOB Complete

ORIGINAL

OIL PRODUCERS INC. OF KS.
INITIAL COMPLETION REPORT

WELL- LEONARD 2-21 SWD

LEGAL- 170' SOUTH OF C/S-2 SEC. 21-30E 32W HASKELL CO. KS.

API#- 15-081-21520

G.L.- 2873

K.B.- 6' ABOVE G.L. AT 2879

SURFACE CSN- 8⁵/₈ AT 692 W/ 300 SXS CEMENT

RTD- 1550

~~RTD~~- N.A.

PRODUCTION CSN- 1549-4¹/₂ 10.5# W/ 325 SXS CEMENT

PBTD- 1505 (ELI 3/04)

TOP OF CEMENT- SURFACE

<u>PERFORATIONS</u> -	GLORIETTA	1429-1434	1/FT.	3/04
	GLORIETTA	1419-1423	1/FT.	3/04
	GLORIETTA	1411-1415	1/FT.	3/04
	GLORIETTA	1396-1403	1/FT.	3/04
	GLORIETTA	1378-1387	1/FT.	3/04
	GLORIETTA	1354-1368	1/FT.	3/04
	GLORIETTA	1344-1348	1/FT.	3/04
	GLORIETTA	1328-1333	1/FT.	3/04
	GLORIETTA	1299-1321	1/FT.	3/04
	GLORIETTA	1277-1291	1/FT.	3/04

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COMPLETION DATE- 3/04

TUBING RUN- 4¹/₂ PLASTIC COATED AD-1 PACKER 39 JTS SEAL TITE 2³/₈

TUBING SET- 1236.62

AVERAGE TBG ST. 31.70

PACKER SET AT- 1239.74

SURFACE EQUIP.- 6'X16' 200BBL FIBERGLASS WATER TANK

ORIGINAL

3/29/04 BLACKHAWK WELL SERV. ON LOCATION RIG UP
D-D DERRICK TO COMPLETE GLORIETTA SAND
SHALLOW DISPOSAL WELL

ELI-WIRELINE ON LOCATION TO RUN CORRELATION,
SONIC CEMENT & GAMMA NEUTRON LOGS

FOUND TTL. DEPTH-AT 1505

*FOUND TOP OF CEMENT-AT SURFACE WITH EXCELLENT
*BONDING ACROSS GLORIETTA DISPOSAL ZONES

BLACKHAWK RIGGED TO SWAB 4 1/2 CSN RAN IN
HOLE WITH JUST CSN SWAB-NO CUPS. GOT TO BOTTOM
HOLE FLAG TO USE IN THE CHECKING OF SAND FILL-UP

~~ELI-WIRELINE ON LOCATION TO PERFORATE~~
PROPOSED DISPOSAL INTERVALS IN THE GLORIETTA
SAND FORMATION, UTILIZING 1 SHOT PER FOOT
STRIP CHARGES.

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ORIGINAL

CONT.

3/29/04 PERFORATE - GLORIETTA 1429-1434 1/FT. 3/04
 GLORIETTA 1419-1423 1/FT. 3/04
 GLORIETTA 1411-1415 1/FT. 3/04
 GLORIETTA 1396-1403 1/FT. 3/04
 GLORIETTA 1378-1387 1/FT. 3/04
 GLORIETTA 1354-1368 1/FT. 3/04
 GLORIETTA 1344-1348 1/FT. 3/04
 GLORIETTA 1328-1333 1/FT. 3/04
 GLORIETTA 1299-1321 1/FT. 3/04
 GLORIETTA 1277-1291 1/FT. 3/04

BLACKHAWK RIGGED TO CSN SWAB GLORIETTA FORMATION
 AFTER PERFORATING.

RIH - W/ JUST CSN SWAB NO CUPS OR SAND FILLUP AFTER
 PERFORATING. TAGGED BOTTOM WITH SWAB SAND FILLED
 UP AROUND SWAB VERY QUICKLY. SWAB BECAME HUNG
 IN HOLE. PARTED SAND-LINE 10' ABOVE SWAB STEM. WILL
 LEAVE SWAB IN HOLE PERMANENT HAVE PLENTY OF RAT-
 HOLE 74' MINUS 15' FOR SWAB STEM & LINE STILL HAVE
 59' OF RAT-HOLE. WILL HAVE NEW SWAB-STEM TOMORROW
 A.M. AND START SWABBING ON GLORIETTA. SHUT WELL
 IN SHUT DOWN FOR NIGHT.

RECEIVED

APR 09 2004

KCC WICHITA

ORIGINAL

3/30/04 BLACKHAWK WELL SERV. ON LOCATION. CK CSN PRESSURE WAS ON VACUUM.

BLACKHAWK RIGGED NEW CSN. SWAB TO REPLACE SWAB LEFT IN HOLE.

RAN CSN SWAB FLUID WAS 250' FROM SURFACE. SWABBED FLUID DOWN TO 750' FROM SURFACE. WELL STARTED KICKING BACK UP TO 500' FROM SURFACE. SWABBED

CSN REST OF DAY RECOVERING LARGE AMOUNTS GLORIETTA SAND AND FLUID REMAINED APPROX. 500' FROM SURFACE RECOVERED APPROX. 10 YARDS OF GLORIETTA SAND AND APPROX. 950 BBLS FLUID.

SHUT WELL IN SHUT DOWN FOR NIGHT

3/31/04 BLACKHAWK WELL SERV. ON LOCATION CK CSN.

WAS ON VACUUM. CK SAND-FILLUP HAD 163' OF FILL

BLACKHAWK RIGGED TO SWAB 3 1/2 CSN. RAN CSN.

SWAB FLUID WAS 250' FROM SURFACE. SWAB FLUID

AND GLORIETTA SAND REST OF DAY. RECOVERED

APPROX. 7 YARDS OF SAND AND APPROX 600 BBLS.

OF FLUID SHUT WELL IN SHUT DOWN FOR NIGHT.

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ORIGINAL

4/1/04 BLACKHAWK WELL SERV. ON LOCATION RIGGED TUBING SWAB SINKER BAR. RUN SINKER BAR IN HOLE CK. SAND FILL-UP. HAD APPROX 200' OF SAND FILL-UP. BLACKHAWK RIGGED TO SWAB 4 1/2 CSN. SWAB CSN REST OF DAY RECOVERED YARDS OF GLORIETTA SAND AND BBL OF FLUID APPROX. ~~SHUT~~ WELL IN SHUT DOWN FOR 3-DAY.

4/2/04 BLACKHAWK WELL SERV. ON LOCATION WITH T.R. SERVICE TOOL HAND. BLACKHAWK RIGGED TO RUN 2 3/8 TUBING WITH T.R. SERVICE BULL DOG BAILER. TO CLEAN GLORIETTA SAND FROM WELL BORE.

RIH- W/ TUBING AND BULL DOG BAILER

TAG TOP OF SAND FILL-UP AT 1300' CLEANED SAND OUT OF WELL BORE TO 1494' WHICH IS THE TOP OF CSN SWAB LEFT IN HOLE.

POOH- W/ TUBING AND BAILER CLEAN OUT SAND FROM BAILER AND TUBING. BREAK DOWN BAILER RELEASE T.R. SERVICE TOOL MAN.

RECEIVED

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CONT.

4/2/04 MOJAVE SERVICE LLC ON LOCATION W/LOAD OF SALT WATER. BLACKHAWK RIGGED MOJAVE UP TO CSN. TO RUN VACUM TEST ON DISPOSAL
VACUM TEST = 100 BBL SALT WATER PER HOUR
 THIS IS A RATE OF APPROX 2400 BBL PER DAY WILL BE MORE THAN ENOUGH DISPOSAL CAPICITY TO HANDLE SALT WATER PRODUCTION FROM LEONARD #1 PRODUCING WELL. SHUT WELL IN SHUT DOWN FOR WEEKEND.

4/5/04 BLACKHAWK HAWK WELL SERVICE AND SIOUX TANK WINCH TRUCK ON LOCATION. UNLOAD STRING OF 2³/₈ SEAL TITE PLASTIC LINED TUBING AND LOAD OUT 2³/₈ WORKING STRING.
 BLACK HAWK RIGGED TO RUN PACKER AND PLASTIC LINED SEAL TITE TUBING.

RUN SEAL TITE TUBING & PACKER

AS FOLLOWS:

4 ¹ / ₂ x 2 ³ / ₈ PLASTIC COATED AD-1 TENSION PACKER	3.12
39 JTS NEW 2 ³ / ₈ PLASTIC LINED SEAL TITE TUBING	1232.62
K.B (6' < 2')	<u>4.00</u>
TUBING SET AT	1236.62
PACKER SET AT	1239.74

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ORIGINAL

4/5/04 BLACKHAWK TEST SET PACKER AND RELEASED
WORKED O.K. RELEASED PACKER LAND TUBING,
PACKED OFF TUBING HEAD.
BRIAN'S HOT OIL SERVICE ON LOCATION WITH 20 BBL.
OF PACKER FLUID. RIG UP TO BACKSIDE PUMP SOBBS.
PACKER FLUID DOWN CSN.
BLACKHAWK UNPACKED TUBING HEAD THEN SET 4 1/2
AD-1 PACKER IN TENSION W/ 8 PTS. OVER STRING WEIGHT.
LANDED TUBING, PACKED OFF TUBING HEAD.
BRIAN HOT OIL FILLED BACKSIDE REST OF WAY FULL WITH
PACKER FLUID. THEN PRESSURED CSN TO 400# TO LET
STATE KCC FIELD MAN- JIM HOLLAND WITNESS MIT
KCC TEST CGN. HAS TO HOLD 400# FOR 30 MIN. WITH
LESS 15% DROP IN PRESSURE.
DISPOSAL WELL PASSED STATE KCC MIT TEST
RIGGED DOWN BRIAN'S HOT OIL BLEED PRESSURE OFF CSN.
BLACKHAWK RIGGED DOWN MOVED OFF LOCATION.

4/8/04 SHAWNEE LSE. SERVICE, KANSA DIRT, SIOUX TANK
WINCH TRUCK AND DILLCO FLUID SERV. ON LOCATION
MOVE 6'X16' 200BBL WATER TANK FROM ROAD TO
LOCATION BETWEEN PRODUCING WELL AND DISPOSAL
WELL. BUILD PAD SET TANK BUILD DIKE AROUND
TANK SHAWNEE PLUMB TUBING FROM PRODUCING
WELL TO TANK. PLUMB TANK TO DISPOSAL.

RECEIVED

APR 09 2004

KCC WICHITA

ORIGINAL

4/8/04 AT THIS TIME WE ARE WAITING ON KCC
PERMIT TO START DISPOSING PRODUCED
SALT WATER IN TO DISPOSAL.

END OF REPORT

TIM THOMSON

RECEIVED
APR 09 2004
KCC WICHITA