

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- 179-20,982 -00-00

County Sheridan

NE NW NW Sec. 34 Twp. 8S Rge. 26 XX East West
4950 ✓ Ft. North from Southeast Corner of Section

4290 ✓ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

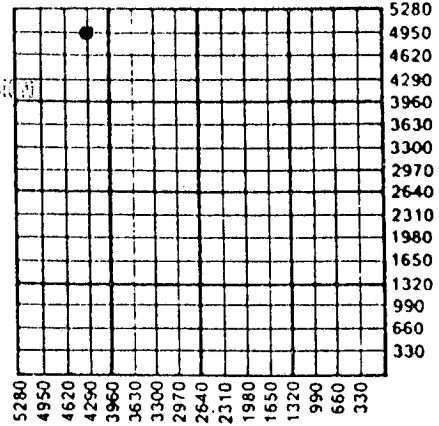
Lease Name Pratt "B" ✓ Well # 3

Field Name Unnamed

Producing Formation Lansing/Kansas City

Elevation: Ground 2538 KB 2543

Total Depth 3945 PBDT -----



Amount of Surface Pipe Set and Cemented at 264 Feet

Multiple Stage Cementing Collar Used? XX Yes No

If yes, show depth set 1905 Feet

If Alternate II completion, cement circulated from 2250 to 800 w/375sx Hallite & 50sx Common, from 800 feet depth to surface w/ 125 Hallitesx cmt.

Operator: License # 5474

Name: Northern Lights Oil Co., L.P.

Address P.O. Box 164

City/State/Zip Andover, KS 67002

Purchaser: Clear Creek, Inc.

Operator Contact Person: John W. Sutherland, Jr.

Phone (316) 733-1515

Contractor: Name: Abercrombie #4

License: 5422

Wellsite Geologist: Kevin Howard

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

12-23-90 12-31-90 1-1-91

Spud Date Date Reached TD Completion Date

RECEIVED
STATE CORPORATION COMMISSION
2-14-1991
FEB 14 1991

CONSERVATION DIVISION
Wichita, Kansas

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 John W. Sutherland

Title General Partner Date 2/13/91

Subscribed and sworn to before me this 13th day of FEBRUARY, 19 91.

Notary Public [Signature]

Date Commission Expires 7-3-93

KURT L. SMITH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 7-3-1993

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)

PI

SIDE TWO

Operator Name Northern Lights Oil Co., L. Lease Name Pratt "B" Well # 3
 East County Sheridan
 Sec. 34 Twp. 8S Rge. 26 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) <p style="text-align: center;">Attached''</p>	<p style="text-align: center;">Formation Description</p> <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">Name</th> <th style="width:25%;">Top</th> <th style="width:25%;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>2149</td> <td>2173</td> </tr> <tr> <td>Heebner</td> <td>3658</td> <td></td> </tr> <tr> <td>Lansing</td> <td>3697</td> <td></td> </tr> <tr> <td>BKC</td> <td>3916</td> <td></td> </tr> <tr> <td>RTD/LTD</td> <td>3945</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	2149	2173	Heebner	3658		Lansing	3697		BKC	3916		RTD/LTD	3945	
Name	Top	Bottom																	
Anhydrite	2149	2173																	
Heebner	3658																		
Lansing	3697																		
BKC	3916																		
RTD/LTD	3945																		

CASING RECORD <input type="checkbox"/> New <input checked="" 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 (new)	12 1/4"	8 5/8"	20#	264'	60/40 Poz	175	3%cc 2%Gel
Production	7 7/8"	5 1/2"	14#	3944'	EA-2	100sx	5%CaIseal
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used) Depth			
2	3878-3882			250 Gal MCA			
4	3862-3865			1000 Gal 15% NE			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size		Set At		Packer At			
2 7/8"		3862'		-----			
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
1-9-91							
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
100		---	---	---	---	43	

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 _____

15-179-20982-00-02
ORIGINAL

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12/29/90 TICKET : 15785
CUSTOMER : NORTHERN LIGHTS OIL COMPANY L.P. LEASE : PRATT B
WELL : 3 TEST: 1 GEOLOGIST : HOWARD
ELEVATION : N/A FORMATION : L KANS CITY
SECTION : 34 TOWNSHIP : 8S
RANGE : 26W COUNTY : SHERIDAN STATE : KANSAS
GAUGE SN# : 6233 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 3739 TO : 3753 TOTAL DEPTH : 3753
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3734 SIZE : 6.75
PACKER DEPTH : 3739 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBLE RIG 4
MUD TYPE : MONPAC VISCOSITY : 37
WEIGHT : 9.5 WATER LOSS (CC) : 10.4
CHLORIDES (PPM) : 1500
JARS-MAKE : NO SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 625 FT I.D. inch : 3.20
DRILL PIPE LENGTH : 3094 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 14 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

RECOVERED : 10 FT OF: MUD-FEW OIL SPOTS
RECOVERED : 0 FT OF: LESS THAN 1% OIL

Total Barrels Fluid = 0.10
Total Fluid Prod Rate = 2.39 BFPD
Indicated Oil Rate = 0.01 BOPD
Indicated Wtr Rate = 0.24 BWPD
Corrected Oil Rate = 6.37 BOPD
Corrected Wtr Rate = 127.41 BWPD

RECEIVED
STATE CORPORATIC
FEB 14 1991
OBSERVATION
Wichita, Kansas

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

SET PACKER(S) : 8:25 AM TIME STARTED OFF BOTTOM : 10:25 AM
WELL TEMPERATURE : 111
INITIAL HYDROSTATIC PRESSURE (A) 1928
INITIAL FLOW PERIOD MIN: 30 (B) 25 PSI TO (C) : 25
INITIAL CLOSED IN PERIOD MIN: 33 (D) 875
FINAL FLOW PERIOD MIN: 30 (E) 35 PSI TO (F) : 35
FINAL CLOSED IN PERIOD MIN: 30 (G) 184
FINAL HYDROSTATIC PRESSURE (H) 1928

15-179-20982-00-00

WESTERN TESTING CO. THE
SUBSURFACE PRESSURE SURVEY

ORIGINAL

DATE	:	12-30-90	TICKET	:	15786
CUSTOMER	:	NORTHERN LIGHTS OIL CO.	LEASE	:	PRATT B
WELL	:	3 TEST: 2	GEOLOGIST	:	SMITH
ELEVATION	:		FORMATION	:	L. K.C. H&I
SECTION	:	34	TOWNSHIP	:	8S
RANGE	:	26W COUNTY : SHERIDAN	STATE	:	KANSAS
GAUGE SN#	:	6233 RANGE : 4000	CLOCK	:	12

INTERVAL FROM	:	3804	TO	:	3852	TOTAL DEPTH	:	3852
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3799	SIZE	:	6.75			
PACKER DEPTH	:	3804	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ABERCROMBIE RIG 4			
MUD TYPE	:	MONPAC	VISCOSITY	:	45
WEIGHT	:	9.4	WATER LOSS (CC)	:	10.0
CHLORIDES (PPM)	:	1500			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	593	FT	I.D. inch	:	3.20
DRILL PIPE LENGTH	:	3191	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	48	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

RECOVERED	:	8	FT	OF:	CLEAN OIL
RECOVERED	:	60	FT	OF:	WATERY MUD CUT OIL
RECOVERED	:	0	FT	OF:	40%OIL:35%WATER:25%MUD
RECOVERED	:	210	FT	OF:	WATER
RECOVERED	:	0	FT	OF:	CHLORIDES 48000 P.P.M.

Total Barrels Fluid	=	2.77
Total Fluid Prod Rate	=	49.77 BFPD
Indicated Oil Rate	=	5.73 BOPD
Indicated Wtr Rate	=	41.36 BWPD
Corrected Oil Rate	=	59.72 BOPD
Corrected Wtr Rate	=	431.12 BWPD

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

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STATE CORPORAT
FEB 14 1991
2-14-1991
CONSERVATION
Wichita, K...

SET PACKER(S)	:	4:45 A.M.	TIME STARTED OFF BOTTOM	:	7:45 A.M.
WELL TEMPERATURE	:	0			
INITIAL HYDROSTATIC PRESSURE			(A)	:	1979
INITIAL FLOW PERIOD	MIN:	35	(B)	:	49
INITIAL CLOSED IN PERIOD	MIN:	48	(D)	:	997
FINAL FLOW PERIOD	MIN:	45	(E)	:	134
FINAL CLOSED IN PERIOD	MIN:	60	(G)	:	1001
FINAL HYDROSTATIC PRESSURE			(H)	:	1971

15-179-20982-00-00

ORIGINAL

WESTERN TESTING CO., INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	12-30-90	TICKET	:	15787
CUSTOMER	:	NORTHERN LIGHTS OIL CO.	LEASE	:	PRATT B
WELL	:	3	TEST:	:	3
ELEVATION	:		GEOLOGIST	:	?
SECTION	:	34	FORMATION	:	L. K.C. L
RANGE	:	26W	COUNTY	:	SHERIDAN
GAUGE SN#	:	6233	RANGE	:	4000
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3853	TO	:	3886	TOTAL DEPTH	:	3886
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3848	SIZE	:	6.75			
PACKER DEPTH	:	3853	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ABERCROMBLE RIG 4			
MUD TYPE	:	MONPAC	VISCOSITY	:	46
WEIGHT	:	9.6	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	2000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	YES

DRILL COLLAR LENGTH	:	0	FT		I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	625	FT		I.D. inch	:	3.20
DRILL PIPE LENGTH	:	3208	FT		I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT		TOOL SIZE	:	5.50
ANCHOR LENGTH	:	33	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

RECOVERED : 2342 FT OF OIL

Total Barrels Fluid	=	30.30
Total Fluid Prod Rate	=	581.76 BFPD
Indicated Oil Rate	=	581.76 BOPD
Corrected Oil Rate	=	425.56 BOPD

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OPERATION CONTROL
FEB 14 1991
2-14-1991
OPERATION DIV.
Wichita, Kansas

REMARK 1 :
REMARK 2 : RECOVERED 1544 FT. OF GAS ABOVE FLUID
REMARK 3 : GAS TO SURFACE ON FINAL SHUT-IN
REMARK 4 :

SET PACKER(S)	:	6:40 P.M.	TIME STARTED OFF BOTTOM	:	9:40 P.M.
WELL TEMPERATURE	:	114			
INITIAL HYDROSTATIC PRESSURE			(A)	:	2000
INITIAL FLOW PERIOD	MIN:	30	(B)	:	167
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	:	1069
FINAL FLOW PERIOD	MIN:	45	(E)	:	575
FINAL CLOSED IN PERIOD	MIN:	66	(G)	:	1080
FINAL HYDROSTATIC PRESSURE			(H)	:	1973

15-179-20982-00-00

Well, Kansas
Great Bend, Kansas

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31 Russell, Kansas 67665

Job No.	2290	Job Name	Surface
Location	Studley, W2S2W, S14E2E, Kan	County	Shawnee
Contractor	Abercrombie	Job Description	Surface
Job Size	124' x 88'	Depth	26"
Shoe	Joint	Minimum	15'
Equipment	McAloo, Wayne, Glen	Driver	

Job Staff	3:15 PM	Finish	6:00 PM
Charge To	Northern Light Oil	City	Andover, Kan 67002
Amount Ordered	1,750.00	Consisting of	
		Common	105 SKS @ 5.25 = 551.25
		Pozil Mix	70 SKS @ 2.25 = 157.50
		Chloride	4 SKS @ 20.00 = 80.00
		Quickset	
		Handling	1.00 per skt = 175.00
		Mileage	1.4 per skt mile = 378.00
		Sub Total	1,141.75
		Tax	5.30
		Total	1,147.05

DEPTH of Job

Reference Pump Truck 380.00

Pipe 42.00

2 Permits 108.00

Sub Total

Tax 5.30

Total 530.00

Remarks: Cement Riddin

Floating Equipment

was given Bid price of \$116.50

Disc 343.30

Net \$ 1373.20

By Steve Klepper

Received 2-14-1991

HALLIDAY SERVICES JOB LOG

WELL NO. 3 LEASE PRATT 'B' TICKET NO. 904580
 CUSTOMER Northway Light Oil Co. PAGE NO. 2 of 2
 JOB TYPE O.W. DATE 12-31-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BSL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T.	C.	TUBING	CASING	
	0310				1			START SALT FLUSH
	0315		20		1			FW FLUSH
	0315				1			START MIX 375 SKS NLC w/ 1/4 LB FLOC
	0342		122		1			FW NLC - PUT 1/5 SKS IN RATHOLE
	0342				1			START MIX 150 SKS STANDARD - NEAR
	0344		10.5		1			FW CONT
								Release Top Plug
	0345				1		100	START DISP TOP
	0348		20		1		300	LOST CIRC - PSI FAIL TO 100*
			48		1		500	CIR. PRESSURE NO CIRC - HOPE
	0353		4.8		1		2100	FW DISP - STBCL EXHAUST - STANDING
	0358							Release N. End NO CONTINUED
	0400				1		2000	TEST A.V. TOOL. HOLD
								Job Complete
								Thank you
								Terry Brown

RECEIVED
 STATE OF KANSAS
 2-14-1991
 FEB 14 1991
 WICHITA, KANSAS

*When we lost circ there was a slight trace of out in flow ditch. This was witness by Tool pusher & some of the Roughnecks on Rig. We stopped but cont in casing but due to darkness it was very hard to tell. While cementing we did get the salt flush to surface as the mud became full of air bubble which is characteristic of the salt flush. The cont has to be at surface or very close to it.

Devin O. Garrison
 Special Operator
 Cheyenne, KS
 913-475-2228

15-179-20982-00-00

505

HALLIBURTON SERVICES JOB LOG

WELL NO. 3 LEASE PAATTI 'B'

TICKET NO. 904580

CUSTOMER NORTH HALL LIGHT

PAGE NO. 1 of 2

JOB TYPE D.V. Long string

DATE 12-31-90

FORM 2013 R-2

CHART NO.	TIME	RATE (RPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
12-31-90	1430							called out
	1900							Set up truck
	2030							Rig laying down dip.
	2230							Fin laying down dip & chg over to truck
								START 5 1/2 csg w/ instant valve
								Flout shoe bottom 1st ST.
								D.V. BASTO Top 1st ST.
								504 centralizers on 1,2,3,4,5,7, 57, 59
								86-87
								cont BASTO on 59 & 6
								D.V. Tool on #58 @ 2035 FT
	0050							Fin csg. Hook up plug
	0100							START csg
	0150							Fin csg
								Hook to pump truck
	0152				1		250	START 20 BBL SALT FLUSH
	0156		20		1		250	Fin SALT FLUSH
	0157		5		1		250	H ² O screen
	0158				1		250	START 420 gal super flush
	0201		10		1		250	Fin super flush
	0202		5		1		250	H ² O screen
	0203				1		250	START mix 100 STS EA-2 w/ 5% CAL
								25% H ² O-Air, 5% H ² O 322
	0208				1		100	FIN CURT
								Wash up - Pump lines
								Release bottom stage plug
	0212				1		100	START H ² O Disp
	0219		42		1		100	Fin H ² O
	0219				1		100	START mud disp
	0225		82		1		200	ST. LIFTING CURT
					1		500	CIR. PRESSURE
	0230		95		1		1000	Fin Disp
	0235							Release - NEW
	0235							Drop Dip opening Tool
	0250							1300 Open D.V. & START csg

Received

2-14-1991