

Plugged 3-17-96

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- 077-21298 0000

County Harper County, Kansas

SE - NW - SE - Sec. 19 Twp. 34S Rgo. 5 XXV

1815 Feet from (S)N (circle one) Line of Section

1445 Feet from (E)W (circle one) Line of Section

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

Lease Name Wenc1 Well # 19-A

Field Name Wildcat

Producing Formation None

Elevation: Ground 1238 KB 1249

Total Depth 3750 PBTB

Amount of Surface Pipe Set and Cemented at 269 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 D&A J96 5-15-96  
(Data must be collected from the Reserve Pit)

Chloride content          ppm Fluid volume          bbls

De-watering method used         

Location of fluid disposal if hauled offsite:         

Operator Name         

Lease Name          License No.         

         Quarter Sec.          Twp.          S          Rgo.          E/W

County          Docket No.         

Operator: License # 31713

Name: Crescent Exploration L.L.C.

Address 5600 North May - Suite 330

City/State/Zip Oklahoma City, OK 73112

Purchaser: N/A

Operator Contact Person: James D. Palm

Phone ( 405 ) 842-3199

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Mike Pollok

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.         

03-11-96 03-17-96 03-17-96

Spud Date Date Reached TD Completion Date

RECEIVED  
KANSAS CORP COM  
1996 APR - 15 4:55

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 James D. Palm

Title President Date 3-27-96

Subscribed and sworn to before me this 27th day of March 19 96.

Notary Public Arnette Bird

Date Commission Expires 5-19-99

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 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 Crescent Exploration L.L.C.

Lease Name Wencl

Well # 19-A

Sec. 19 Twp. 34S Rge. 5  
 East  
 West

County Harper County, Kansas

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.)

Log Formation (Top), Depth and Datum  Sample  
Name Top Datum  
Tonkawa 3,536 (-2,287)

List All E.Logs Run:

DILL, CNFD, ML

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"	28#	269'	60/40 Poz	175	3%cc 2%gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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  Flowing  Pumping  Gas Lift  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 \_\_\_\_\_

Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Crescent Exploration

DATE 3-16-96

WELL NAME: Wencil 19-A

KB 1251.00 ft

TICKET NO: 8922

DST #1

LOCATION : 19-34S-05W, Harper Cty KS

GR 1238.00 ft

FORMATION: Tonkawa

INTERVAL : 3561.00 To 3594.00 ft

TD 3594.00 ft

TEST TYPE: CONVENTIONAL

15-077-21298

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
30	Rec.	10994	10994	23412		PF Fr. 1019 to 1049 hr
60	Range(Psi )	4250.0	4250.0	4995.0	0.0	IS Fr. 1049 to 1149 hr
30	Clock(hrs)	AK-1	AK-1	Alpin		SF Fr. 1149 to 1219 hr
60	Depth(ft )	3588.0	3588.0	3566.0	0.0	FS Fr. 1219 to 1319 hr

	Field	1	2	3	4	
A. Init Hydro	1802.0	1804.0	1756.0	0.0	0.0	T STARTED 0900 hr
B. First Flow	351.0	368.0	312.0	0.0	0.0	T ON BOTM 1016 hr
Bi. Final Flow	775.0	788.0	801.0	0.0	0.0	T OPEN 1019 hr
C. In Shut-in	1420.0	1430.0	1439.0	0.0	0.0	T PULLED 1319 hr
D. Init Flow	881.0	883.0	842.0	0.0	0.0	T OUT 1530 hr
E. Final Flow	1071.0	1086.0	1102.0	0.0	0.0	
F. Fl Shut-in	1420.0	1428.0	1440.0	0.0	0.0	
G. Final Hydro	1770.0	1766.0	1737.0	0.0	0.0	
inside/Outside	O	O	I			

TOOL DATA-----

Tool Wt.	2000.00 lbs
Wt Set On Packer	2000.00 lbs
Wt Pulled Loose	8300.00 lbs
Initial Str Wt	7200.00 lbs
Unseated Str Wt	8200.00 lbs
Bot Choke	7.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	22.00 ft
D.P. Length	3078.00 ft

1996 APR - 1 A 10:45  
KARL'S CORP COM

RECOVERY

Tot Fluid 2080.00 ft of 472.00 ft in DC and 1608.00 ft in DP  
180.00 ft of Muddy water  
1900.00 ft of Salt water

RW .25 @ 70 F

SALINITY 36000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -  
1" blow building to bottom of bucket  
in 1 minute, opened to .25" choke  
gauged 12" water in 10 minutes  
decreasing to 4" at end of flow  
no blow

Initial Shutin -  
Surface blow building to 1"

Final Flow -  
2" blow building to bottom of bucket  
in 2 minutes, opened to .25" choke  
gauged 12" water decreasing to 2"  
blow in bucket

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	44.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	133.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	1
Cushion Amt.	0.00
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Jim Palm
Contr.	Duke
Rig #	5
Unit #	
Pump T.	

Test Successful: Y

# ALLIED CEMENTING CO., INC.

0000102

ORIGINAL

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: med lodge, ks

DATE <u>3-11-96</u>	SEC. <u>19</u>	TWP. <u>34s</u>	RANGE <u>5w</u>	CALLED OUT <u>12:00PM</u>	ON LOCATION <u>3:15PM</u>	JOB START <u>6:20PM</u>	JOB FINISH <u>7:00PM</u>
LEASE <u>Wend</u>	WELL# <u>19-A</u>	LOCATION <u>Bluff City, 1s-1/2w-n/s</u>			COUNTY <u>Harper</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke Drig  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 270'  
 CASING SIZE 2 5/8 x 2 8 DEPTH 269'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 x hole DEPTH 270'  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG: 15'  
 PERFS. \_\_\_\_\_

OWNER Crescent Exploration LLC  
CEMENT

AMOUNT ORDERED 175 sacks 60/40/2% Gel 3% CaCl2

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Larry D  
 # 265 HELPER Carl B.  
 BULK TRUCK \_\_\_\_\_  
 # 227 DRIVER John K.  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL \_\_\_\_\_

**REMARKS:**

**SERVICE**

Mix & Pump 175 sacks 60/40/2% Gel - 3% CaCl2 Cement In. Stop Pumps. Release Plug. Pump Displace Plug w/ Fresh H2O w/ 15 3/4 Bds. Shut In w/ 150 PSI. Cement Circ. to Surface

DEPTH OF JOB \_\_\_\_\_ 269  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 PLUG wooden \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: Crescent Exploration LLC  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

# ORIGINAL

Date 5-11-96 District Med. Lodge Ticket No. 0102  
 Company Crescent Explor. LLC Rig Dupe #5  
 Lease Wencl Well No. 19-A  
 County Harper State KS  
 Location Bluff City, 15-1/2w- Field 19-34s-5w  
N/S

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type J-55 Weight 28 Collar \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type 60/40/2%Gel  
3%GAL  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 Excess \_\_\_\_\_

Burst 2,170PSI Collapse 1,640PSI  
 Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Amt. 175 Skys Yield 1.26 ft<sup>3</sup>/sk Density 14.8 PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail 5.6 gals/sk Total 23 Bbls.

Pump Trucks Used 265 - Carl B.  
 Bulk Equip. 227 - John K.

Drill Pipe: Size 4 1/2 Weight 16.60 Collars x-hole  
 Open Hole: Size 12 1/4 T.D. 270 ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth 2

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0624 Lin. ft./Bbl. 16.02  
 Open Holes: Bbls/Lin. ft. 1458 Lin. ft./Bbl. 6.8599  
 Drill Pipe: Bbls/Lin. ft. 0142 Lin. ft./Bbl. 70.32  
 Annulus: Bbls/Lin. ft. 0235 Lin. ft./Bbl. 13.6237  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top wooden Btm. 15

Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Fresh H<sub>2</sub>O Amt. 15 3/4 Bbls. Weight 8.34 PPG  
 Mud Type Chemical Weight 9.3 PPG

COMPANY REPRESENTATIVE Joe Livingston

CEMENTER Harry D.

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE (CASING)	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
6:30	150		5		4	Start Fresh H <sub>2</sub> O
6:32	150					Start Cement Steady PST+Rate
	165		16.60		5 1/2	Cement Turn shoe
6:42	200		39 1/4		5 1/2	Cement w/175ss 60/40/2%Gel-3%GAL Cement In. Stop Pumps. Release Plug
6:44	75		7		3	Start Fresh H <sub>2</sub> O Displacement
6:50	100		15 3/4		3 1/2	Displace In. Stop Pumps. Shut In. left 15' Cement In Csg Cement Circ. to surface

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU  
 Taylor Printing, Inc., Pratt, KS

RECEIVED BY  
 KAISAS CORP  
 APR - 1  
 2004

# ALLIED CEMENTING CO., INC. 3913

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

## ORIGINAL

SERVICE POINT: MEDICINE LOOSE

DATE <u>3-17-96</u>	SEC. <u>19</u>	TWPS <u>34</u>	RANGE <u>W</u> <u>35</u>	CALLED OUT <u>7:00</u>	ON LOCATION <u>10:30</u>	JOB START <u>12:15</u>	JOB FINISH <u>1:15</u>
LEASE <u>Wentz</u>		WELL # <u>19-A</u>		LOCATION <u>Bluff City 1s, 1 1/2w, N 13</u>		COUNTY <u>HAIRER</u>	STATE <u>KANSAS</u>

OLD OR NEW (Circle one) NEW

CONTRACTOR Duke Drilling Reg # 5  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 3750  
 CASING SIZE 8 5/8 DEPTH 269'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 DEPTH 950  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_

OWNER Crescent Exploration LLC  
CEMENT

AMOUNT ORDERED 115 60/40/49 GEL

COMMON _____	@ _____
POZMIX _____	@ _____
GEL _____	@ _____
CHLORIDE _____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
HANDLING _____	@ _____
MILEAGE <u>55</u>	_____

### EQUIPMENT

PUMP TRUCK CEMENTER NEAL Rupp  
 # 255/265 HELPER JUSTIN HART  
 BULK TRUCK \_\_\_\_\_  
 # 242 DRIVER John Kelley  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL \_\_\_\_\_

### REMARKS:

950' w/ 35 SK  
319' w/ 35 SK  
60' w/ 20 SK + Dry hole Plug  
Pathole w/ 15 SK  
Maus hole w/ 10 SK

### SERVICE

DEPTH OF JOB 950  
 PUMP TRUCK CHARGE \_\_\_\_\_ 445.00  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 55 @ \_\_\_\_\_  
 PLUG 1-3 7/8 Dry hole @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: Crescent Exploration LLC  
 STREET 5600 N. MAY SUITE 230  
 CITY OKLAHOMA CITY STATE OKLAHOMA ZIP 73112

### FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]



# CEMENTING LOG

STAGE NO.

# ORIGINAL

Date 3-17-96 District Marion Lodge Ticket No. 3919  
 Company CESANT EXPLORATION LLC Rig Duke #5  
 Lease WARR Well No. 19-A  
 County HARPER State KANSAS  
 Location Bluff City 1s, 1/2w, N/5 Field \_\_\_\_\_

CEMENT DATA:

Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60/40/470 Grl  
 Excess \_\_\_\_\_

Amt. 115 Skys Yield 1.40 ft<sup>3</sup>/sk Density 14.1 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

WATER: Lead 6.7 gals/sk Tail \_\_\_\_\_ gals/sk Total 18.5 Bbls.

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

Casing Depths: Top 8 5/8 269' Bottom \_\_\_\_\_

Pump Trucks Used 255/265  
 Bulk Equip. 242

Drill Pipe: Size 4 1/2 Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 3750 ft. P.B. to 950 ft.

Floater Equip: Manufacturer \_\_\_\_\_

Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

Floater: Type \_\_\_\_\_ Depth \_\_\_\_\_

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 10637 Lin. ft./Bbl. 15.70

Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Drill Pipe: Bbls/Lin. ft. 101422 Lin. ft./Bbl. 70.32

Annulus: Bbls/Lin. ft. 10406 Lin. ft./Bbl. 24.6474

Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip. \_\_\_\_\_

Disp. Fluid Type MUD Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE JOE LEUTINGSTON

CEMENTER NEAL Kupp

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						1st Plug 950' w/35 SK
12:15	150			3.0	5	START H <sub>2</sub> O
	150			8.75	5	START SLURRY
	100			1.0	5	START H <sub>2</sub> O
	100			10.0	5	START MUD DISP.
12:20	0		22.75			PLUG IN PLACE SHUT DOWN
						2nd Plug 319' w/35 SK
12:47	100			3.0		START H <sub>2</sub> O
	100			8.75		START SLURRY
	100			1.0		START H <sub>2</sub> O
	75			1.25		START MUD DISP.
12:50	0		14.0			PLUG IN PLACE - SHUT DOWN
12:55						3rd Plug 60' w/20 SK + wooden Plug
				5.0		START SLURRY
						SHOT DOWN
						TRATHOLE w/15 SK
				3.75		START SLURRY
						SHOT DOWN
						MUDSEHOLE w/10 SK
			11.25	2.5		START SLURRY
1:00						SHOT DOWN
						Job Complete

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs.

Taylor Printing, Inc., Pratt, KS

THANK YOU NR