

ORIGINAL

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

Operator: License # 31389

Name: Noble Petroleum Inc.

Address 3101 North Rock Road- Suite 125

City/State/Zip Wichita, Kansas 67226

Purchaser: N/A

Operator Contact Person: Jay Ablah

Phone (316) 636-2222

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Jerry Honas

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:

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

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

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

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

06-20-95 06-26-95 06-26-95  
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22756 0000

County Graham County, Kansas

SE - SW - SW - \_\_\_\_\_ Sec. 7 Twp. 7S Rge. 25 W

330 Feet from S/N (circle one) Line of Section

990 Feet from E (circle one) Line of Section

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

Lease Name Huntington Well # 1

Field Name \_\_\_\_\_

Producing Formation None

Elevation: Ground 2575 KB 2584

Total Depth 3910 PBDT \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 248/260 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 D&A 94-10-19-95  
(Data must be collected from the Reserve Pit)

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

Dewatering method used \_\_\_\_\_

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

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

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

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

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

RECEIVED  
STATE CORPORATION COMMISSION  
8-23-95  
AUG 23 1995

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 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 \_\_\_\_\_

Title President Date 8/8/95

Subscribed and sworn to before me this 8<sup>th</sup> day of August, 1995.

Notary Public Virginia B. Ablah

Date Commission Expires 12-8-97

VIRGINIA L. ABLAH  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 12-8-97

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

SIDE TWO

Operator Name Noble Petroleum Inc.

Lease Name Huntington

Well # 1

Sec. 7 Twp. 7S Rge. 25

East  
 West

County Graham 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

List All E.Logs Run: RADIATION GUARD

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"	24#	260'	60/40 Poz	165	3%cc 2%ge1

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

TUBING RECORD Size Set At Packer At Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls. Gas N/A Mcf Water N/A Bbls. Gas-Oil Ratio Gravity

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

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

Production Interval \_\_\_\_\_

ORIGINAL

DST REPORT

GENERAL INFORMATION

API #15-065-22756.00-00

DATE : 6-24-95	TICKET : 21046
CUSTOMER : NOBLE PETROLEUM INC.	LEASE : HUNTINGTON
WELL : #1	TEST: 1
ELEVATION: 2583 KB	GEOLOGIST: ?
SECTION : 7	FORMATION: LOWER KANSAS CITY
RANGE : 25W	TOWNSHIP : 7S
COUNTY: GRAHAM	STATE : KS
Gauge SN#: 11018	RANGE : 4425
	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3700.00 ft TO: 3720.00 ft TVD: 3720.0 ft  
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
 DEPTH OF RECORDERS: 3703.0 ft 3717.0 ft  
 TEMPERATURE: 120.0

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3680.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 20.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 3695.0 ft	SIZE:	6.630 in
PACKER DEPTH: 3700.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRILLING #4	VISCOSITY : 52.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 11.200 cc
WEIGHT : 9.400 ppg	SERIAL NUMBER:
CHLORIDES : 600 ppm	REVERSED OUT?: NO
JARS-MAKE :	
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW-BOTTOM OF BUCKET  
 IN 11 MINUTES. NO BLOWBACK. FINAL FLOW PERIOD-  
 STRONG BLOW-BOTTOM OF BUCKET IN 12 MINUTES. NO

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

15-065-22756-00:00

Comment

BLOWBACK.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
650.0	0.0	0.0	100.0	0.0	MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 40,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0000	STB		
WATER VOLUME:	9.1171	STB		
TOTAL FLUID :	9.1171	STB		
			TOTAL FLOW TIME:	50.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	262.5734 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1790.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	67.00	127.00
INITIAL SHUT-IN	30.00		1096.00
FINAL FLOW	30.00	178.00	240.00
FINAL SHUT-IN	30.00		1075.00

FINAL HYDROSTATIC PRESSURE: 1762.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1828.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	87.00	143.00
INITIAL SHUT-IN	30.00		1112.00
FINAL FLOW	25.00	206.00	250.00
FINAL SHUT-IN	33.00		1090.00

FINAL HYDROSTATIC PRESSURE: 1819.00

PRESSURE TRANSIENT REPORT

15-065-22796-00-00

GENERAL INFORMATION

DATE : 6-24-95	TICKET : 21046
CUSTOMER : NOBLE PETROLEUM INC.	LEASE : HUNTINGTON
WELL : #1 TEST: 1	GEOLOGIST: ?
ELEVATION: 2583 KB	FORMATION: LOWER KANSAS CITY
SECTION : 7	TOWNSHIP : 7S
RANGE : 25W COUNTY: GRAHAM	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	87.00	87.00
5.00	87.00	0.00
10.00	89.00	2.00
15.00	103.00	14.00
20.00	121.00	18.00
25.00	143.00	22.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	729.00	729.00	0.00
6.00	959.00	230.00	0.00
9.00	1008.00	49.00	0.00
12.00	1042.00	34.00	0.00
15.00	1064.00	22.00	0.00
18.00	1077.00	13.00	0.00
21.00	1093.00	16.00	0.00
24.00	1099.00	6.00	0.00
27.00	1106.00	7.00	0.00
30.00	1112.00	6.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	206.00	206.00
5.00	206.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
10.00	206.00	0.00
15.00	218.00	12.00
20.00	236.00	18.00
25.00	250.00	14.00

FINAL SHUT IN

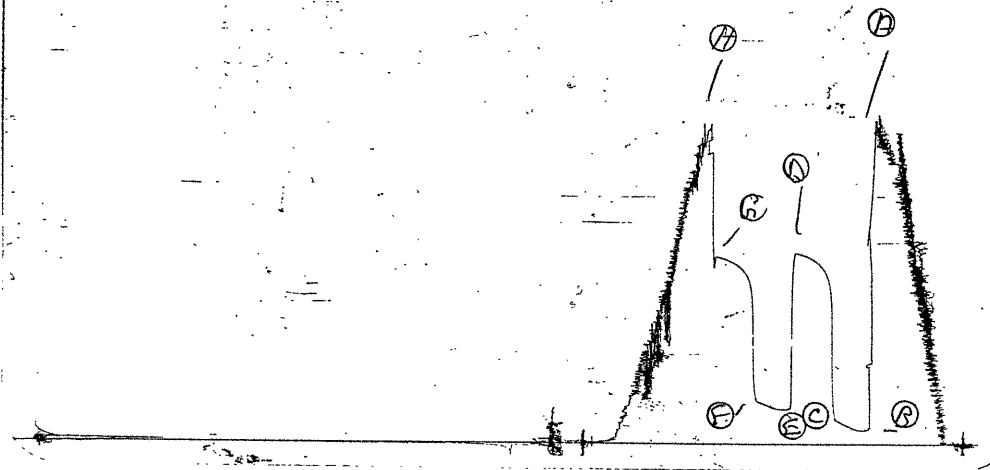
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	584.00	584.00	0.00
6.00	931.00	347.00	0.00
9.00	989.00	58.00	0.00
12.00	1017.00	28.00	0.00
15.00	1037.00	20.00	0.00
18.00	1055.00	18.00	0.00
21.00	1066.00	11.00	0.00
24.00	1074.00	8.00	0.00
27.00	1083.00	9.00	0.00
30.00	1087.00	4.00	0.00
33.00	1090.00	3.00	0.00

15-005-22756-00-00

DST #1  
REC #1158  
INSIDE

KT 21046

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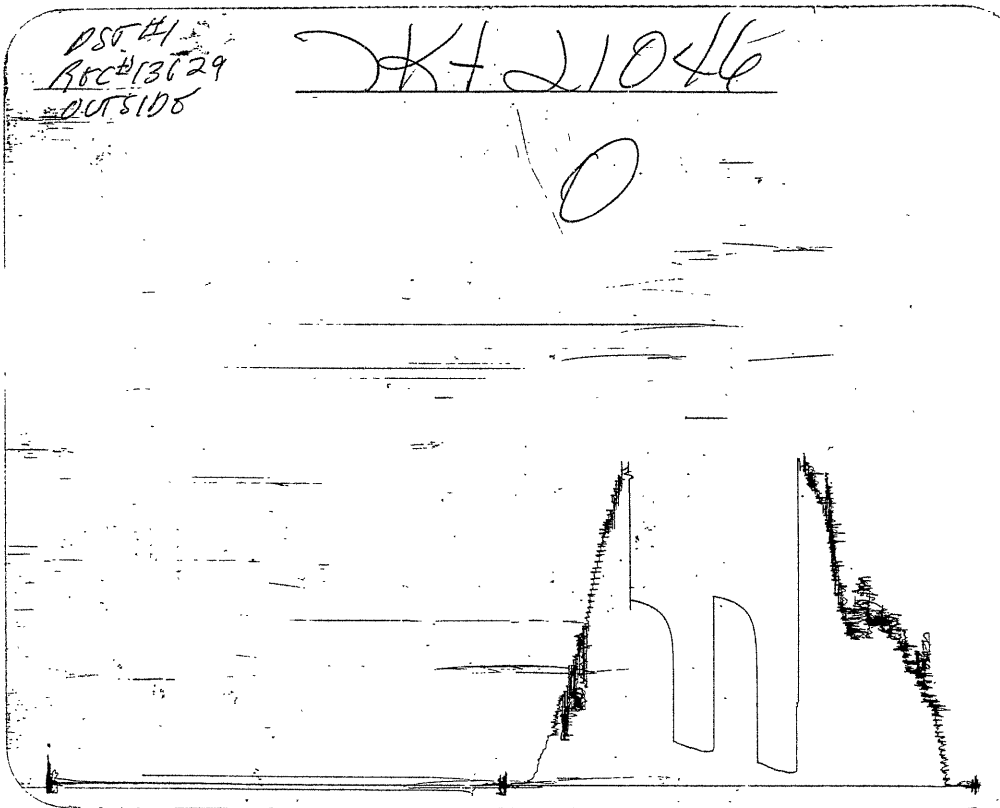


Inside Recorder

DST #1  
REC #13629  
OUTSIDE

KT 21046

10



Outside Recorder



DST REPORT

GENERAL INFORMATION

DATE : 6-25-95  
CUSTOMER : NOBLE PETROLEUM INC.  
WELL : #1 TEST: 2  
ELEVATION: 2583 KB  
SECTION : 7  
RANGE : 25W COUNTY: GRAHAM  
GAUGE SN#: 11018 RANGE : 4425  
TICKET : 21047  
LEASE : HUNTINGTON  
GEOLOGIST: ?  
FORMATION: LOWER KANSAS CITY  
TOWNSHIP : 7S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3815.00 ft TO: 3850.00 ft TVD: 3850.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 3818.0 ft 3847.0 ft  
TEMPERATURE: 118.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3795.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	35.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	3810.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3815.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRILLING #4  
MUD TYPE : CHEMICAL VISCOSITY : 66.00 cp  
WEIGHT : 9.400 ppg WATER LOSS: 10.400 cc  
CHLORIDES : 1300 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW-BOTTOM OF BUCKET  
IN 9 MINUTES. NO BLOWBACK. FINAL FLOW PERIOD-  
STRONG BLOW-BOTTOM OF BUCKET IN 11 MINUTES. NO

15-005-22756-00-00

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

BLOWBACK.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
630.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 36,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.0000 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	8.8366 STB	AVERAGE WATER RATE:	212.0785 STB/D
TOTAL FLUID :	8.8366 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1900.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	93.00	180.00
INITIAL SHUT-IN	30.00		964.00
FINAL FLOW	30.00	233.00	300.00
FINAL SHUT-IN	30.00		900.00

FINAL HYDROSTATIC PRESSURE: 1870.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1935.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	101.00	173.00
INITIAL SHUT-IN	33.00		949.00
FINAL FLOW	30.00	233.00	290.00
FINAL SHUT-IN	33.00		899.00

FINAL HYDROSTATIC PRESSURE: 1879.00

15-065-22756-00-00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	233.00	233.00
5.00	233.00	0.00
10.00	237.00	4.00
15.00	249.00	12.00
20.00	263.00	14.00
25.00	276.00	13.00
30.00	290.00	14.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	513.00	513.00	0.00
6.00	777.00	264.00	0.00
9.00	813.00	36.00	0.00
12.00	835.00	22.00	0.00
15.00	853.00	18.00	0.00
18.00	865.00	12.00	0.00
21.00	876.00	11.00	0.00
24.00	883.00	7.00	0.00
27.00	892.00	9.00	0.00
30.00	895.00	3.00	0.00
33.00	899.00	4.00	0.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 6-25-95	TICKET	: 21047
CUSTOMER	: NOBLE PETROLEUM INC.	LEASE	: HUNTINGTON
WELL	: #1	TEST:	2
ELEVATION:	2583 KB	GEOLOGIST:	?
SECTION	: 7	FORMATION:	LOWER KANSAS CITY
RANGE	: 25W	TOWNSHIP	: 7S
GAUGE SN#:	11018	STATE	: KS
		CLOCK	: 12
		COUNTY:	GRAHAM
		RANGE	: 4425

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	101.00	101.00
5.00	101.00	0.00
10.00	106.00	5.00
15.00	122.00	16.00
20.00	143.00	21.00
25.00	161.00	18.00
30.00	173.00	12.00

INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	490.00	490.00	0.00
6.00	815.00	325.00	0.00
9.00	854.00	39.00	0.00
12.00	878.00	24.00	0.00
15.00	897.00	19.00	0.00
18.00	916.00	19.00	0.00
21.00	925.00	9.00	0.00
24.00	934.00	9.00	0.00
27.00	941.00	7.00	0.00
30.00	945.00	4.00	0.00
33.00	949.00	4.00	0.00

FINAL FLOW

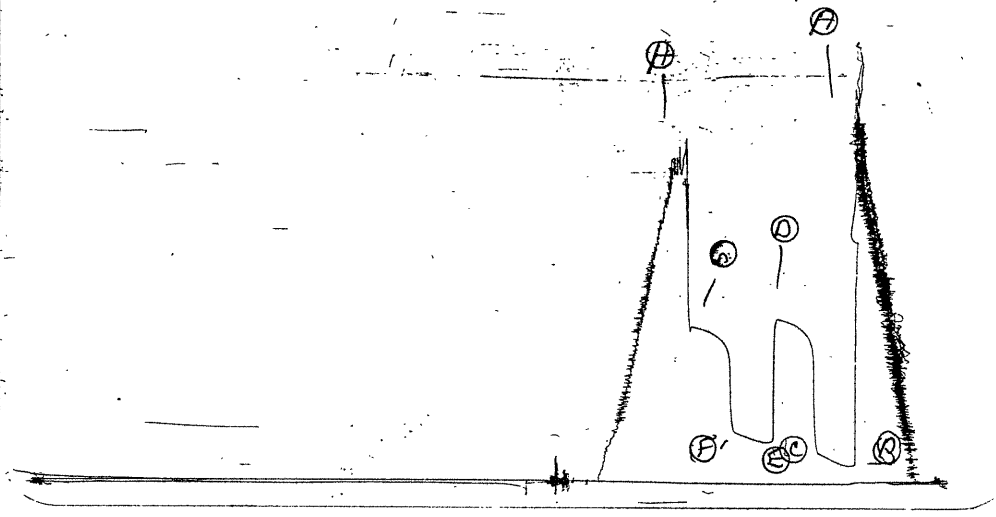
<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
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15-069-22796-00-00

DST #2  
REC #11062  
INSIDE

KT 21047

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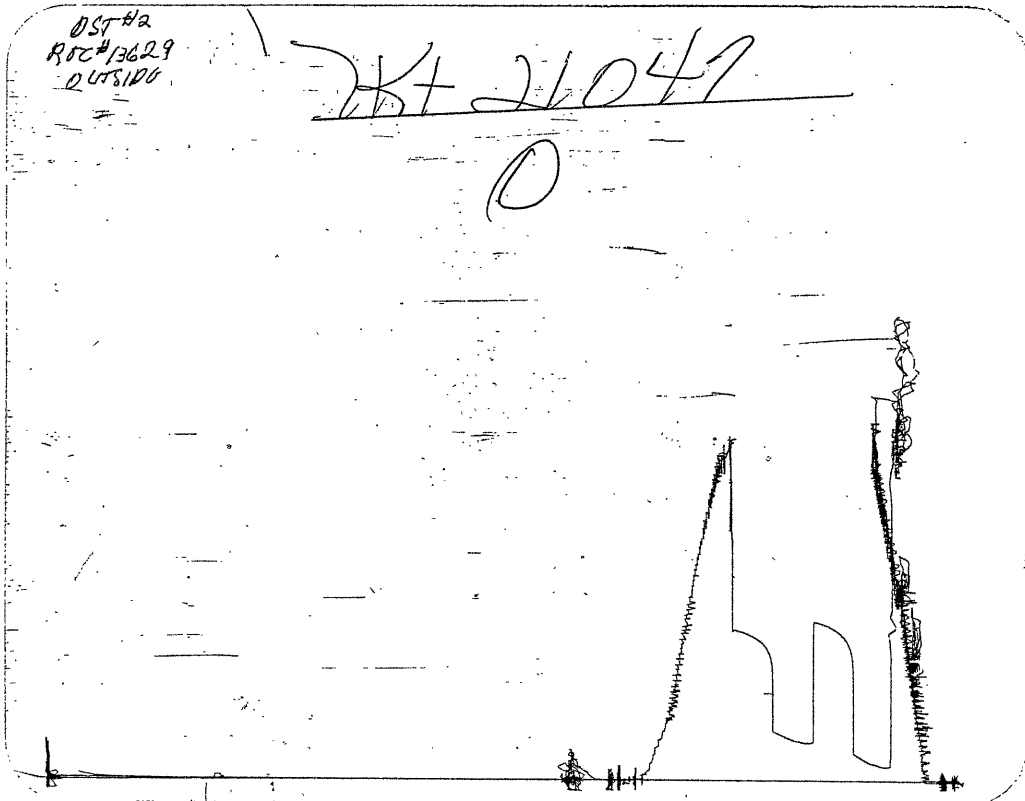


Inside Recorder

DST #2  
REC #13229  
OUTSIDE

KT 21047

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DST REPORT

GENERAL INFORMATION

DATE : 6-26-95 TICKET : 21048  
CUSTOMER : NOBLE PETROLEUM INC. LEASE : HUNTINGTON  
WELL : #1 TEST: 3 GEOLOGIST: ?  
ELEVATION: 2583 KB FORMATION: LOWER KANSAS CITY  
SECTION : 7 TOWNSHIP : 7S  
RANGE : 25W COUNTY: GRAHAM STATE : KS  
GAUGE SN#: 11018 RANGE : 4425 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3845.00 ft TO: 3870.00 ft TVD: 3870.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 3848.0 ft 3867.0 ft  
TEMPERATURE: 112.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3825.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	25.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	3840.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3845.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRILLING #4  
MUD TYPE : CHEMICAL VISCOSITY : 66.00 cp  
WEIGHT : 9.400 ppg WATER LOSS: 10.400 cc  
CHLORIDES : 1300 ppm  
JARS-MAKE : SERIAL NUMBER:  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW-DEAD IN 10 MINUTES.  
FINAL FLOW PERIOD-NO BLOW, FLUSHED TOOL BUT OF NO  
HELP.

15-065-22756-0000

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 6-26-95	TICKET	: 21048
CUSTOMER	: NOBLE PETROLEUM INC.	LEASE	: HUNTINGTON
WELL	: #1	TEST:	3
ELEVATION	: 2583 KB	GEOLOGIST	: ?
SECTION	: 7	FORMATION	: LOWER KANSAS CITY
RANGE	: 25W	TOWNSHIP	: 7S
GAUGE SN#	: 11018	STATE	: KS
		CLOCK	: 12
		COUNTY	: GRAHAM
		RANGE	: 4425

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	48.00	48.00
5.00	48.00	0.00
10.00	40.00	-8.00
15.00	38.00	-2.00
20.00	37.00	-1.00
25.00	37.00	0.00
30.00	37.00	0.00

INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	37.00	37.00	0.00
6.00	37.00	0.00	0.00
9.00	37.00	0.00	0.00
12.00	37.00	0.00	0.00
15.00	37.00	0.00	0.00
18.00	37.00	0.00	0.00
21.00	37.00	0.00	0.00
24.00	37.00	0.00	0.00
27.00	37.00	0.00	0.00
30.00	37.00	0.00	0.00

FINAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	37.00	37.00



DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.0701 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.0701 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1900.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	13.00	13.00
INITIAL SHUT-IN	30.00		16.00
FINAL FLOW	30.00	14.00	18.00
FINAL SHUT-IN	30.00		18.00

FINAL HYDROSTATIC PRESSURE: 1870.00

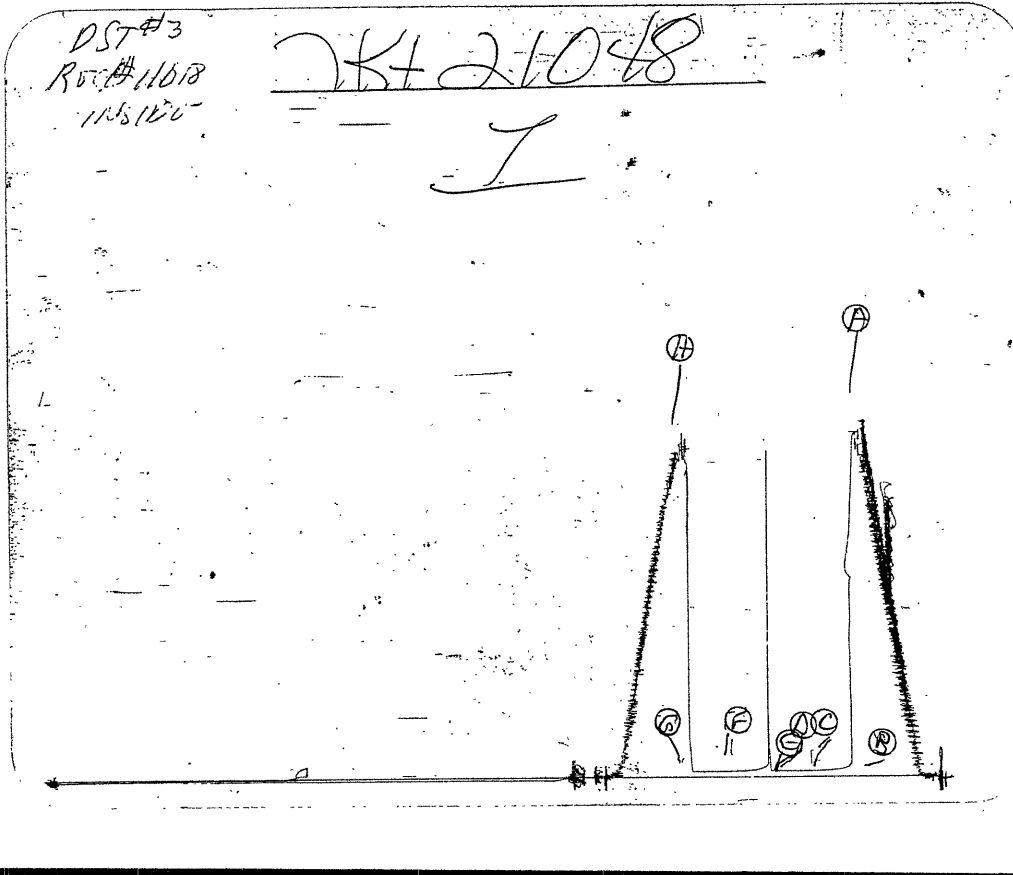
OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1992.00

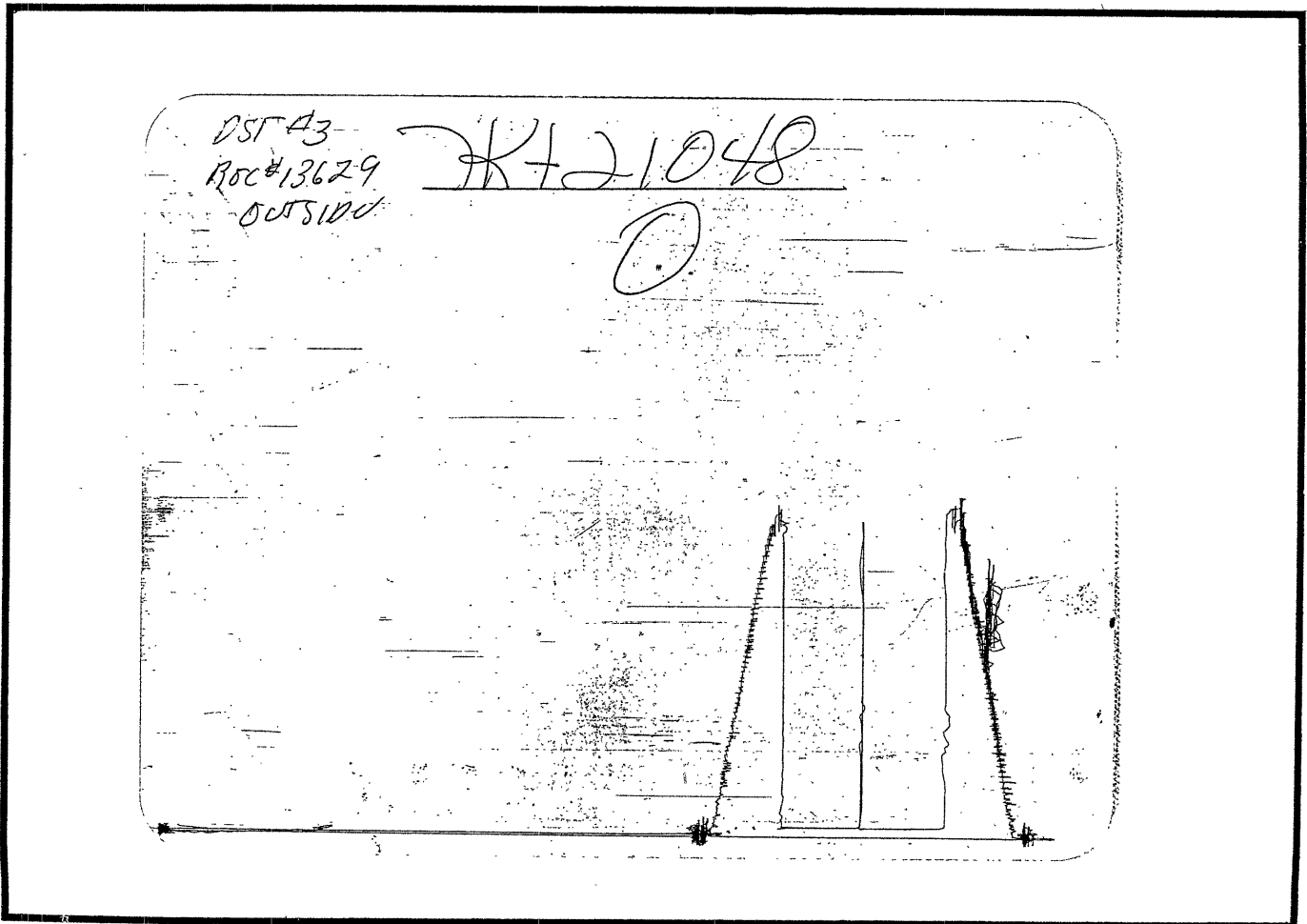
Description	Duration	p1	p End
INITIAL FLOW	30.00	48.00	37.00
INITIAL SHUT-IN	30.00		37.00
FINAL FLOW	30.00	37.00	36.00
FINAL SHUT-IN	30.00		36.00

FINAL HYDROSTATIC PRESSURE: 1921.00

13-065-22756-00-00



Inside Recorder



Outside Recorder

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	52.00	15.00
10.00	43.00	-9.00
15.00	39.00	-4.00
20.00	38.00	-1.00
25.00	37.00	-1.00
30.00	36.00	-1.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	36.00	36.00	0.00
6.00	36.00	0.00	0.00
9.00	36.00	0.00	0.00
12.00	36.00	0.00	0.00
15.00	36.00	0.00	0.00
18.00	36.00	0.00	0.00
21.00	36.00	0.00	0.00
24.00	36.00	0.00	0.00
27.00	36.00	0.00	0.00
30.00	36.00	0.00	0.00

15-005-22756-00-00

# ALLIED CEMENTING CO., INC.

1250

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

## ORIGINAL

SERVICE POINT: Foley

DATE <u>6-20-95</u>	SEC. <u>7</u>	TWP. <u>7</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION <u>6:30 AM</u>	JOB START	JOB FINISH <u>8:40 AM</u>
LEASE <u>Hardrock</u>	WELL# <u>1</u>	LOCATION <u>Stanley 64-400</u>			COUNTY <u>Graham</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>Duke Dig Co #4</u>	OWNER <u>same</u>
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>260'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>260'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS. <u>None</u>	<u>None</u>

AMOUNT ORDERED 165 sks 40/40 per  
3% GCC - 2% GCL

COMMON	<u>99</u>	<u>sks</u>
POZMIX	<u>66</u>	<u>sks</u>
GEL	<u>3</u>	<u>sks</u>
CHLORIDE	<u>5</u>	<u>sks</u>

### EQUIPMENT

PUMP TRUCK	CEMENTER <u>Walt</u>
# <u>191</u>	HELPER <u>Wayne</u>
BULK TRUCK	
# <u>215</u>	DRIVER <u>Dean</u>
BULK TRUCK	
#	DRIVER

HANDLING 165 sks  
MILEAGE 49 per skid mile

### REMARKS:

### SERVICE

Cement Dial Circ  
(in collar)

DEPTH OF JOB 260'  
PUMP TRUCK CHARGE  
EXTRA FOOTAGE none  
MILEAGE 60 miles  
PLUG 2 3/4" wooden Plug

CHARGE TO: Duke Dig  
Noble Petroleum  
STREET P.O. Box 823  
CITY Great Bend STATE Kan ZIP 67530

### FLOAT EQUIPMENT

RECEIVED  
STATE CORPORATION COMMISSION  
8-23-1995  
AUG 23 1995  
CONSERVATION DIVISION  
MICHITA, KANSAS

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.

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

SIGNATURE \_\_\_\_\_

ORIGINAL

# ALLIED CEMENTING CO., INC.

3270

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

15-005-22756-00-00

SERVICE POINT:

DATE <u>6-26-95</u>	SEC. <u>7</u>	TWP. <u>7</u>	RANGE <u>25</u>	CALLED OUT <u>11:00 Pm</u>	ON LOCATION <u>2:00 Pm</u>	JOB START	JOB FINISH <u>4:15 Pm</u>
LEASE <u>Huntington</u> WELL # <u>1</u>			LOCATION		COUNTY <u>Graham</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Duke Drilling #4</u>	OWNER <u>Noble Petroleum</u>
TYPE OF JOB <u>Plug</u>	CEMENT
HOLE SIZE <u>7 7/8</u>	T.D. <u>3910</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>2200</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

OWNER Noble Petroleum  
CEMENT

AMOUNT ORDERED  
190 sacks 60/40 69.6 gal

COMMON 114  
 POZMIX 76  
 GEL 10  
 CHLORIDE

### EQUIPMENT

PUMP TRUCK # <u>079</u>	CEMENTER <u>Dill</u>	HELPER
BULK TRUCK # <u>218</u>	DRIVER <u>Stewart</u>	
BULK TRUCK #	DRIVER	

HANDLING  
MILEAGE 60m

### REMARKS:

1st plug @ 200 w/ 25 ft  
2nd plug @ 175 w/ 100 ft  
3rd plug @ 310 w/ 40 ft  
4th plug @ 40 w/ 100 ft  
15 ft in Rathole

### SERVICE

DEPTH OF JOB 2200  
 PUMP TRUCK CHARGE  
 EXTRA FOOTAGE  
 MILEAGE 60  
 PLUG 1

CHARGE TO: Duke Drilling (Noble)  
 STREET P.O. Box 723  
 CITY Russell STATE Ks ZIP 67665

### FLOAT EQUIPMENT

RECEIVED  
 STATE CORPORATION COMMISSION  
8-23-1995  
 AUG 23 1995

CONSTRUCTION COMMISSION  
 WICHITA KANSAS

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 Bob [Signature]

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