

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 31389

Name: NOBLE PETROLEUM, INC.

Address 3101 N. ROCK RD., STE. 125

WICHITA, KS 67226

City/State/Zip WICHITA, KS 67226

Purchaser: N/A

Operator Contact Person: JAY ABLAH

Phone (316) 636-2222

Contractor: Name: DUKE DRILLING CO., INC.

License: 5929

Wellsite Geologist: GERALD D. HONAS

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIGW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, MSW, 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 _____ PSTD _____

Commingled _____ Decklet No. _____

Dual Completion _____ Decklet No. _____

Other (SWD or Inj?) _____ Decklet No. _____

02-02-95 02-09-95
Spud Date Date Reached TD Completion Date

API NO. 15- 165-216-770000

County RUSH

E/2 - NE - NE - Sec. 4 Twp. 16 Rge. 18 E
V

660 Feet from S/⊙ (circle one) Line of Section

330 Feet from ⊙/V (circle one) Line of Section

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

Lease Name GROSS Well # 1

Field Name WILDCAT

Producing Formation None

Elevation: Ground 1950 KB 1959

Total Depth 3580 PSTD _____

Amount of Surface Pipe Set and Cemented at 1115 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/ _____ sz cat.

Drilling Fluid Management Plan D&A 294 11-14-95
(Data must be collected from the Reserve Pit)

Chloride content 72,000 ppm Fluid volume 890 bbls

Desulfuring method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ Rng. _____ E/V

County _____ Docket No. _____

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 contents herein are complete and correct to the best of my knowledge.

Signature _____ Date _____

Title _____

Subscribed and sworn to before me this 22 day of March 19 95.

Notary Public _____

Date Commission Expires _____

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

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

Operator Name NOBLE PETROLEUM, INC. Lease Name GROSS Well # 1
 Sec. 4 Twp. 16 Rge. 18 East West
 County RUSH

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ANHYDRITE	1108	+851
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BASE ANHX	1147	+812
List All E.Logs Run:		TOPEKA	2923	-964
RADIATION		HEEBNER	3194	-1235
GUARD		TORONTO	3214	-1255
CAL.		LANSING	3241	-1282
		BASE KC	3473	-1514
		PENN SD.	3532	-1573
		ARBUCKLE	3553	-1594

CASING RECORD <input 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	12 $\frac{1}{2}$	8-5 $\frac{1}{8}$ "	24#	115.44	60/40 Poz	400	60/40 Poz

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		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. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

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

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

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

Production Interval _____

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 2/7/95
CUSTOMER : NOBEL PETROLEUM, INC.
WELL : #1 TEST: 1
ELEVATION: 1959 KB
SECTION : 4
RANGE : 18W COUNTY: RUSH
GAUGE SN#: 10242 RANGE : 4100

TICKET : 20265
LEASE : GROSS
GEOLOGIST: HONAS
FORMATION: LOWER KANSAS CITY
TOWNSHIP : 16S
STATE : KS
CLOCK : 12

15-165-21677

WELL INFORMATION

PERFORATION INTERVAL FROM: 3388.00 ft TO: 3445.00 ft TVD: 3445.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3400.0 ft 3403.0 ft
TEMPERATURE: 101.0

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 : 3368.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 57.0 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: 3383.0 ft SIZE: 6.630 in
PACKER DEPTH: 3388.0 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 RIG 4
MUD TYPE : CHEMICAL
WEIGHT : 9.300 ppg
CHLORIDES : 5000 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 47.00 cp
WATER LOSS: 11.200 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD SURFACE BLOW - BUILT TO 1
INCH IN 17 MINUTES - STABILIZED.
FINAL FLOW PERIOD SURFACE BLOW - DIED IN 6 MINUTES

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
10.0	0.0	0.0	0.0	100.0	MUD W/SPECKS OF OIL

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:	0.1403	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1403	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1773.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	21.00	21.00
INITIAL SHUT-IN	30.00		109.00
FINAL FLOW	30.00	21.00	21.00
FINAL SHUT-IN	30.00		39.00

FINAL HYDROSTATIC PRESSURE: 1719.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1782.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	27.00	27.00
INITIAL SHUT-IN	27.00		129.00
FINAL FLOW	30.00	29.00	29.00
FINAL SHUT-IN	27.00		49.00

FINAL HYDROSTATIC PRESSURE: 1730.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/7/95	TICKET : 20265
CUSTOMER : NOBEL PETROLEUM, INC.	LEASE : GROSS
WELL : #1 TEST: 1	GEOLOGIST: HONAS
ELEVATION: 1959 KB	FORMATION: LOWER KANSAS CITY
SECTION : 4	TOWNSHIP : 16S
RANGE : 18W COUNTY: RUSH	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	27.00	27.00
5.00	27.00	0.00
10.00	27.00	0.00
15.00	27.00	0.00
20.00	27.00	0.00
25.00	27.00	0.00
30.00	27.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	28.00	28.00	0.00
6.00	32.00	4.00	0.00
9.00	37.00	5.00	0.00
12.00	46.00	9.00	0.00
15.00	54.00	8.00	0.00
18.00	69.00	15.00	0.00
21.00	86.00	17.00	0.00
24.00	110.00	24.00	0.00
27.00	129.00	19.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	29.00	29.00
5.00	29.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

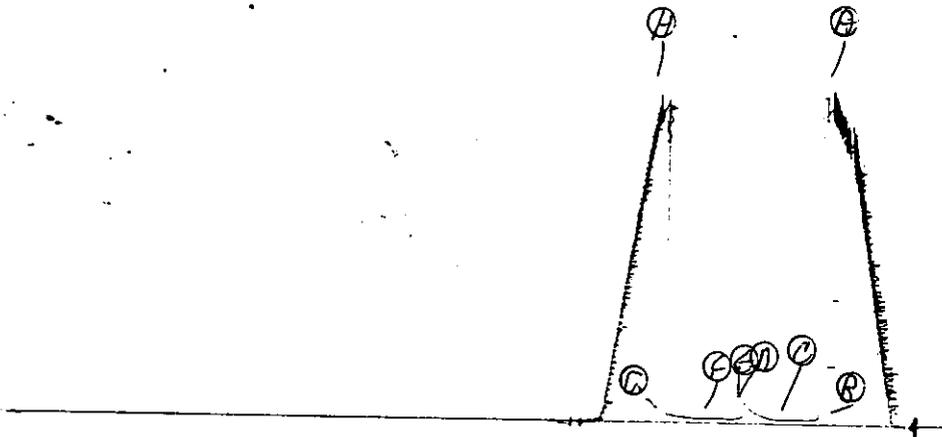
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
10.00	29.00	0.00
15.00	29.00	0.00
20.00	29.00	0.00
25.00	29.00	0.00
30.00	29.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	29.00	29.00	0.00
6.00	29.00	0.00	0.00
9.00	30.00	1.00	0.00
12.00	32.00	2.00	0.00
15.00	36.00	4.00	0.00
18.00	40.00	4.00	0.00
21.00	43.00	3.00	0.00
24.00	46.00	3.00	0.00
27.00	49.00	3.00	0.00

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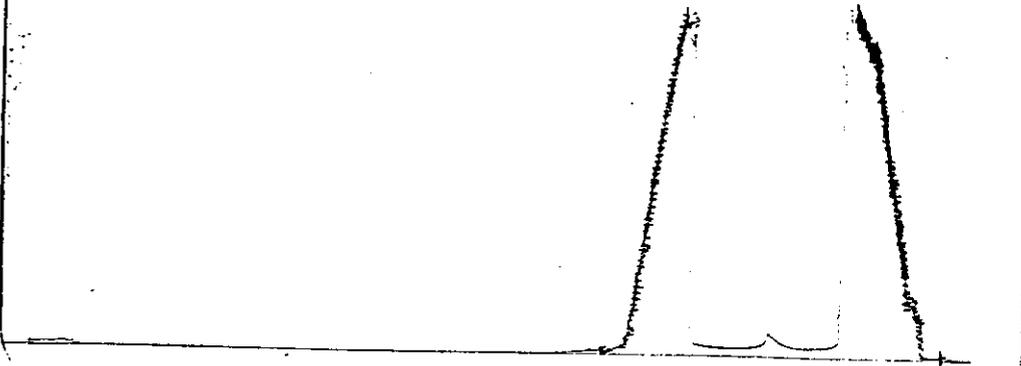


Inside Recorder

KT 2016

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Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 2/8/95
CUSTOMER : NOBEL PETROLEUM, INC.
WELL : #1 TEST: 2
ELEVATION: 1959 KB
SECTION : 4
RANGE : 18W COUNTY: RUSH
GAUGE SN#: 10242 RANGE : 4100
TICKET : 20266
LEASE : GROSS
GEOLOGIST: HONAS
FORMATION: PENNSYLVANIA SAND
TOWNSHIP : 16S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3464.00 ft TO: 3535.00 ft TVD: 3535.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3490.0 ft 3493.0 ft
TEMPERATURE: 102.0
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 : 3444.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 71.0 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: 3459.0 ft SIZE: 6.630 in
PACKER DEPTH: 3464.0 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 RIG 4
MUD TYPE : CHEMICAL VISCOSITY : 47.00 cp
WEIGHT : 9.300 ppg WATER LOSS: 12.000 cc
CHLORIDES : 5000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD SURFACE BLOW - SLOWLY BUILT TO
2 1/4 INCHES IN BUCKET IN 30 MINUTES. FINAL FLOW
PERIOD SURFACE BLOW - SLOWLY BUILT TO 2 1/2 INCHES

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

IN BUCKET IN 60 MINUTES.

FLUID RECOVERY

<u>Feet of Fluid</u>	<u>% Oil</u>	<u>% Gas</u>	<u>% Water</u>	<u>% Mud</u>	<u>Comments</u>
65.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.9117	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.9117	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1832.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	32.00	44.00
INITIAL SHUT-IN	45.00		1207.00
FINAL FLOW	60.00	44.00	51.00
FINAL SHUT-IN	45.00		1199.00

FINAL HYDROSTATIC PRESSURE: 1811.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1835.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	42.00	47.00
INITIAL SHUT-IN	45.00		1215.00
FINAL FLOW	60.00	57.00	65.00
FINAL SHUT-IN	45.00		1203.00

FINAL HYDROSTATIC PRESSURE: 1784.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/8/95	TICKET : 20266
CUSTOMER : NOBEL PETROLEUM, INC.	LEASE : GROSS
WELL : #1 TEST: 2	GEOLOGIST: HONAS
ELEVATION: 1959 KB	FORMATION: PENNSYLVANIA SAND
SECTION : 4	TOWNSHIP : 16S
RANGE : 18W COUNTY: RUSH	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	42.00	42.00
5.00	42.00	0.00
10.00	42.00	0.00
15.00	42.00	0.00
20.00	43.00	1.00
25.00	45.00	2.00
30.00	47.00	2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	311.00	311.00	0.00
6.00	724.00	413.00	0.00
9.00	950.00	226.00	0.00
12.00	1050.00	100.00	0.00
15.00	1100.00	50.00	0.00
18.00	1134.00	34.00	0.00
21.00	1156.00	22.00	0.00
24.00	1170.00	14.00	0.00
27.00	1182.00	12.00	0.00
30.00	1193.00	11.00	0.00
33.00	1200.00	7.00	0.00
36.00	1207.00	7.00	0.00
39.00	1210.00	3.00	0.00
42.00	1213.00	3.00	0.00
45.00	1215.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	57.00	57.00
5.00	57.00	0.00
10.00	57.00	0.00
15.00	58.00	1.00
20.00	58.00	0.00
25.00	59.00	1.00
30.00	60.00	1.00
35.00	61.00	1.00
40.00	62.00	1.00
45.00	63.00	1.00
50.00	64.00	1.00
55.00	65.00	1.00
60.00	65.00	0.00

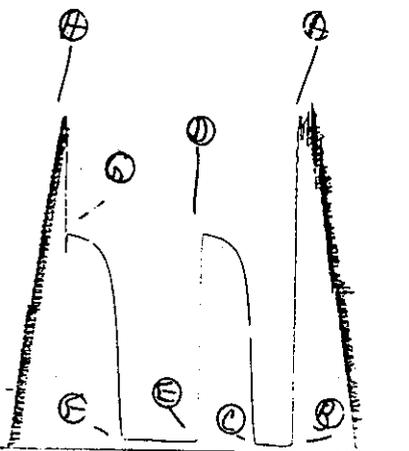
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	497.00	497.00	0.00
6.00	792.00	295.00	0.00
9.00	940.00	148.00	0.00
12.00	1026.00	86.00	0.00
15.00	1078.00	52.00	0.00
18.00	1117.00	39.00	0.00
21.00	1139.00	22.00	0.00
24.00	1157.00	18.00	0.00
27.00	1167.00	10.00	0.00
30.00	1176.00	9.00	0.00
33.00	1184.00	8.00	0.00
36.00	1192.00	8.00	0.00
39.00	1198.00	6.00	0.00
42.00	1200.00	2.00	0.00
45.00	1203.00	3.00	0.00

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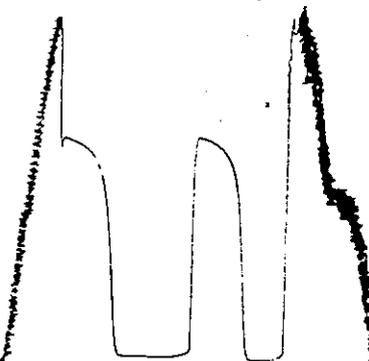


Inside Recorder

KT J. J. J.

13759 DST 2

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Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 2/8/95
CUSTOMER : NOBEL PETROLEUM, INC.
WELL : #1 TEST: 3
ELEVATION : 1959 KB
SECTION : 4
RANGE : 18W COUNTY: RUSH
GAUGE SN#: 10242 RANGE : 4100
TICKET : 20267
LEASE : GROSS
GEOLOGIST: HONAS
FORMATION: PENNSYLVANIA SAND
TOWNSHIP : 16S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3463.00 ft TO: 3540.00 ft TVD: 3540.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 3529.0 ft 3532.0 ft
TEMPERATURE: 102.0
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 : 3443.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 77.0 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: 3458.0 ft SIZE: 6.630 in
PACKER DEPTH: 3463.0 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 RIG 4
MUD TYPE : CHEMICAL VISCOSITY : 47.00 cp
WEIGHT : 9.300 ppg WATER LOSS: 12.000 cc
CHLORIDES : 5000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK 1/2 INCH SLOWLY
BUILT TO 7 INCHES IN BUCKET IN 30 MINUTES. FINAL
FLOW PERIOD VERY WEAK 1/2 INCH SLOWLY BUILT TO

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

STRONG BLOW - OFF BOTTOM OF BUCKET IN 46 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
40.0	0.0	0.0	0.0	100.0	MUD
60.0	0.0	2.0	0.0	98.0	SL GAS CUT MUD W/SPECKS
0.0	0.0	0.0	0.0	0.0	OF OIL
60.0	0.0	0.0	34.0	66.0	WATER CUT MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 15000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	85.0000 min.
GAS VOLUME:	0.0945 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	1.9412 STB	AVERAGE WATER RATE:	14.2574 STB/D
WATER VOLUME:	0.2861 STB		
TOTAL FLUID :	2.2274 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1850.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	56.00	72.00
INITIAL SHUT-IN	45.00		1196.00
FINAL FLOW	60.00	79.00	123.00
FINAL SHUT-IN	45.00		1190.00

FINAL HYDROSTATIC PRESSURE: 1822.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1860.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	69.00	83.00
INITIAL SHUT-IN	45.00		1210.00
FINAL FLOW	60.00	95.00	135.00
FINAL SHUT-IN	45.00		1199.00
FINAL HYDROSTATIC PRESSURE:	1839.00		

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/8/95	TICKET : 20267
CUSTOMER : NOBEL PETROLEUM, INC.	LEASE : GROSS
WELL : #1	TEST: 3
ELEVATION: 1959 KB	GEOLOGIST: HONAS
SECTION : 4	FORMATION: PENNSYLVANIA SAND
RANGE : 18W	TOWNSHIP : 16S
COUNTY: RUSH	STATE : KS
RANGE : 4100	CLOCK : 12
GAUGE SN#: 10242	

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	69.00	69.00
5.00	69.00	0.00
10.00	69.00	0.00
15.00	72.00	3.00
20.00	79.00	7.00
25.00	83.00	4.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	501.00	501.00	0.00
6.00	813.00	312.00	0.00
9.00	948.00	135.00	0.00
12.00	1032.00	84.00	0.00
15.00	1079.00	47.00	0.00
18.00	1118.00	39.00	0.00
21.00	1139.00	21.00	0.00
24.00	1159.00	20.00	0.00
27.00	1170.00	11.00	0.00
30.00	1181.00	11.00	0.00
33.00	1192.00	11.00	0.00
36.00	1201.00	9.00	0.00
39.00	1206.00	5.00	0.00
42.00	1208.00	2.00	0.00
45.00	1210.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	95.00	95.00
5.00	95.00	0.00
10.00	96.00	1.00
15.00	102.00	6.00
20.00	106.00	4.00
25.00	110.00	4.00
30.00	114.00	4.00
35.00	117.00	3.00
40.00	121.00	4.00
45.00	126.00	5.00
50.00	130.00	4.00
55.00	133.00	3.00
60.00	135.00	2.00

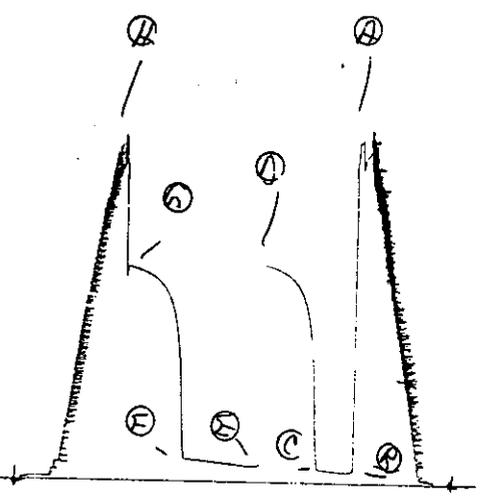
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	564.00	564.00	0.00
6.00	813.00	249.00	0.00
9.00	951.00	138.00	0.00
12.00	1023.00	72.00	0.00
15.00	1068.00	45.00	0.00
18.00	1102.00	34.00	0.00
21.00	1124.00	22.00	0.00
24.00	1144.00	20.00	0.00
27.00	1157.00	13.00	0.00
30.00	1167.00	10.00	0.00
33.00	1174.00	7.00	0.00
36.00	1181.00	7.00	0.00
39.00	1188.00	7.00	0.00
42.00	1195.00	7.00	0.00
45.00	1199.00	4.00	0.00

KT 2267

10242 DST 3

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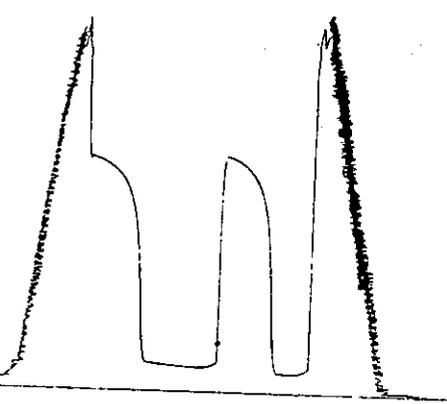


Inside Recorder

KT 2267

13759 DST 3

O



Outside Recorder

Phone 913-483-2627, Russell, KS
 Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC. 0007793

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

New

Date	2-9-95	Sec.	4	Twp.	16s	Range	18w	Called Out	10:30 AM	On Location	11:30 AM	Job Start	12:30 PM	Finish	3:00 PM
Lease	GROSS	Well No.	#1	Location				HAY'S S. TO CO. LINE	County	RUSH	State	KANSAS			
Contractor	DUKE DRILLING R.G. #4							Owner	1/2 E 1/4 S INTO						
Type Job	ROTARY PLUG														
Hole Size	778	T.D.	3580'												
Csg.	8 5/8 SURFACE	Depth	1115'												
Tbg. Size		Depth													
Drill Pipe	4 1/2 X-H	Depth	3554'												
Tool		Depth													
Cement Left in Csg.		Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace													
Perf.															

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish
 cement and helper to assist owner or contractor to do work as listed.

(NOBEL Petroleum)

Charge To DUKE DRILLING

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Rich Wheeler

13 CEMENT

Amount Ordered 150 SK. 6940 6% Gel

EQUIPMENT

Pump	No. #177	Cement	Helper	John
Pump	No.	Cement	Helper	
Bulk	No. #213	Driver		John
Bulk	No.	Driver		

Consisting of	Common	Poz. Mix	Gel	Chloride	Quickset	Sales Tax
Handling	Mileage	Sub Total	Total	Floating Equipment		

DEPTH of Job	Reference	Charge
	1-8 5/8	DRY HOLE WIPER PLUG
		Sub Total
		Tax
		Total

Remarks:
 50 SK @ 3554'
 50 SK @ 1140'
 25 SK @ 600'
 10 SK @ 40' of Plug
 15 SK @ RATAOLE

RECEIVED
 NOV 14 1995
 STATE COMMISSION

[Signature]

Phone 913-483-2627, Russell, KS
 Phone 316-793-5861, Great Bend, KS

Phone 913-825-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

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

0007790
ORIGINAL

New

Date 2-3-95	Sec. 4	Twp. 16s	Range 18w	Called Out 9:00am	On Location 10:30am	Job Start 12:15pm	Finish 1:00pm
Lease GROSS	Well No. #1	Location Hwy 183 S. To Co. Line		County ELLIS	State KANSAS		

Contractor DUKE DRILG. RIG #4	
Type Job LONG SURFACE	
Hole Size 12 1/4	T.D. 1115'
Csg. 8 5/8 New #24	Depth 1115'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. 20'	Shoe Joint
Press Max.	Minimum
Meas Line	Displace. 70' 884'
Perf.	

Owner	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 listed.
Charge To	DUKE DRILLING NOBEL PETROLEUM
Street	645
City	2160 State
The above was done to satisfaction and supervision of owner agent or contractor 3580 3580	
Purchase Order No.	
Hole	130 CEMENT
Amount Ordered	400 sk 6 1/4 226cl 3 2 cc
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	
Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

DEPTH of Job	
Reference:	Pump Truck CHRG
1-85/8	RUBBER WIPER PLUG
	Sub Total
	Tax
	Total

Remarks:

Cement Circulated

[Signature]

STATE RECEIVED
 CORPORATION COMMISSION
 NOV 2 1995
 WICHITA, KANSAS