

SIDE ONE

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

Operator: License # 5161
Name: Palomino Petroleum
Address Route 5
Box 51-C
City/State/Zip Newton, Kansas 67114
Purchaser: None - D & A
Operator Contact Person: Bob Watchous
Phone (316) 283-0232

Contractor: Name: Western Kansas Drilling Co., Inc.
License: 4083

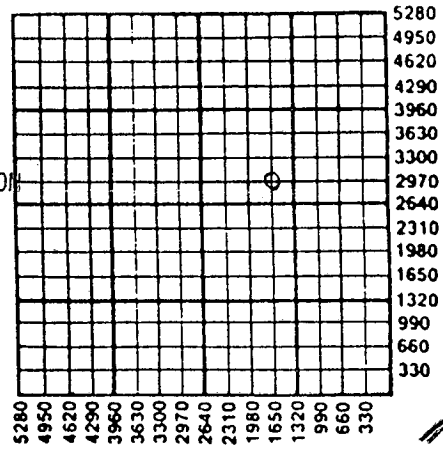
Wellsite Geologist: Ann Watchous RECEIVED STATE CORPORATION COMMISSION

Designate Type of Completion
 New Well Re-Entry Workover **JAN 24 1990**
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.) **Wichita, Kansas**

If **OWMO**: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
12-9-89 12-17-89 12-17-89
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,412 - 0000
County Ness
SE SW NE Sec. 9 Twp. 19 Rge. 26 East West
2970 Ft. North from Southeast Corner of Section
1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Brenner Well # 1
Field Name Cruse-South
Producing Formation D & A
Elevation: Ground 2570 KB 2575
Total Depth 4540 PBDT _____



Amount of Surface Pipe Set and Cemented at 223 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 amt.

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 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 Bob Watchous
Title Owner Date _____
Subscribed and sworn to before me this 16th day of January, 19 90.
Notary Public Kathryn L. Frerking
Date Commission Expires August 21, 1993

KATHRYN L. FRERKING
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 8-21-93

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)

XPI

SIDE TWO

Operator Name Palomino Petroleum Lease Name Brenner Well # 1
 Sec. 9 Twp. 19 Rge. 26 East County Ness
 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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

PALOMINO PETROLEUM
 NEWTON, KS 67114

9-18 -26W
SE SW NE

#1 BRENNER

site: 2 S & 7-1/2 W. OF LAIRD, KS city: NESS API 15-135-23412
 owner: WESTERN KANSAS DRILLING COMPANY, INC. head: CRUCE SOUTH EXT (1/8 N)
 geol: ANN WATCHOUS

fr date 11/27/89	spg date 12/09/89	drig comp 12/17/89	card issued 12/27/89	last revised 12/27/89
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ELV: 2575 KB SMP	IP status:
tops.....depth/datum	D&A, MISS, 12/17/89
ANH.....1852 +723	CSG: 8-5/8" 223 / 145 SX
HEEB.....3582 -1007	NO CORES
LANS.....3896 -1321	DST (1) 4400-4520 (MARM, CHER), / 35-30-0, REC 30'
FT SC.....4417 -1842	M ISIP 1522# IFP 82# FFP 82#
CHER SD.....4493 -1918	DST (2) 4400-4535 (MARM, CHER, MISS), / 30-30-30-30,
MISS DOL.....4527 -1952	REC 125' SLJ OCM (3% OIL), 120' OCM (20% OIL) ISIP
RTD.....4540 -1965	1283# FSIP 1283# IFP 117# -140# FFP 187# -199#
NO LOG	DST (3) 4530-4540 (MISS), / 15-30-15-30, REC 585'
	MW, W / SCUM OIL ISIP 1197# FSIP 1186# IFP 141#
	-258# FFP 258# -270#

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 INDEPENDENT OIL & GAS SERVICE, INC.
 WICHITA, KANSAS

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 1/2	8 5/8	20	223	60-40 poz	145	2%gel, 3%cc

Shots Per Foot	PERFORATION RECORD 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 Production D & A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	D & A				

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 _____

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

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

ALLIED CEMENTING CO., INC.

No 6784

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

DEC 16 1989
 PALOMINO
 PETROLEUM

Date	12-9-89	Sec.	9	Twp.	19	Range	26	Called Out	4:00 PM	On Location	5:30 PM	Job Start	7:15 PM	Finish	7:30 PM
Lease	Palomino	Well No.	1		Location		Becker 2 South, Winto		County	Ness	State	Kansas			
Contractor	Western Kansas														
Type Job	Surface														
Hole Size	12 1/4	T.D.	227'												
Csg.	8 5/8	Depth	224'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum													
Meas Line	NO	Displace	13.5												
Perf.															

Owner Palomino
 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 Palomino Petroleum
 Street RR 5 Box 51C
 City Newton State Mo. 67114

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

Purchase Order No. FRANK TUGGINS
 X
CEMENT

EQUIPMENT		
No.	Cementer	Helper
# 158 Pumptrk	JAYSON	DUANE
# 69 Bulktrk	KRIS	

Amount Ordered	145 ax 60/40 2% gel 3% cc	
Consisting of		
Common	87	5.00 435.00
Poz. Mix	58	2.25 130.50
Gel.	3	6.75 20.25
Chloride	4	20.00 80.00
Quickset		

DEPTH of Job		
Reference:	Pump trk charge	360.00
	Mileage	17.00
	1-8 5/8 J.W.P.	40.00
	Sub Total	
	Tax	
	Total	417.00

Handling	145	130.50
Mileage	17	73.95
STATE CORPORATION COMMISSION Tax		.90
CONSERVATION DIVISION Wichita, Kansas		Sub Total
Total		870.20

Remarks: Cement did circulate.

Thanks

Floating Equipment

Total # 1287.20
 Disc - 193.08
 # 1094.12

TELEPHONE:

AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67665

RECEIVED

DEC 26 1989

PALOMINO PETROLEUM

will file

TO: Palomino Petroleum
R. R. 5 Box 51C
Newton, KS 67114

INVOICE NO. 55526
PURCHASE ORDER NO. _____
LEASE NAME Brenner #1
DATE Dec. 17, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 117 sks @ \$5.00	\$ 585.00	
Poz Mix 78 sks @ \$2.25	175.50	
Gel 12 sks @ \$6.75	81.00	\$ 841.50
Handling 195 sks @ \$.90	175.50	
Mileage (17) @ \$.03 per sk per mi	99.45	
Plugging	360.00	
M1 @ \$1.00 Pmp Trk	17.00	
Plug	20.00	671.95
	Total	\$ 1,513.45

50 sks @ 1890'
80 sks @ 1050'
40 sks @ 250'
10 sks @ 40'
15 sks in RH

THANK YOU

All Prices Are Net, Payable 20th of Month Following Date of Invoice. 3/4 of 1% Charged Thereafter

RECEIVED
STATE CORPORATION COMMISSION

JAN 24 1990

CONSERVATION DIVISION
Wichita, Kansas

1,513.45

Phone 913-483-2627 Russell, Kansas
 Phone 816-793-5861, Great Bend, Kansas

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

DEC 26 1989

ALLIED CEMENTING CO., INC.

No. 7868

Home Office P. O. Box 31

Russell, Kansas 67665

New
 PALOMINO

Date	12-17-89	Sec.	9	Twp.	19	Range	26	Called Out	11:00AM	On Location	1:15 P.M.	Job Start	4:00 P.M.	Finish	6:00 P.M.
Lease	Brenner	Well No.	1	Location	Baker 25-winto	County	Ness	State	Ks.						
Contractor	Western Kansas														
Type Job	R Plug														
Hole Size	7 3/4"		T.D. 4540'												
Csg.	Depth														
Tbg. Size	Depth														
Drill Pipe	4 1/2"		Depth 1890'												
Tool	Depth														
Cement Left in Csg.	Shoe Joint														
Press Max.	Minimum														
Meas Line	Displace														
Perf.															

Owner *Same*
 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 *Palomino Petroleum*
 Street *RR 5 Box 51C*
 City *Newton* State *Ks. 67114*
 The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. *X*

EQUIPMENT

Pumptrk	No.	Cementer	<i>Melke</i>
	46	Helper	
Pumptrk	No.	Cementer	<i>Brian</i>
		Helper	
Bulktrk	69	Driver	
		Driver	

CEMENT

Amount Ordered	<i>19560/40 6792</i>		
Consisting of			
Common	<i>117</i>	<i>5.00</i>	<i>585.00</i>
Poz. Mix	<i>78</i>	<i>2.25</i>	<i>175.50</i>
Gel.	<i>12</i>	<i>6.75</i>	<i>81.00</i>
Chloride			
Quickset			

DEPTH of Job

Reference:	<i>Pump Jack Chg</i>	<i>360.00</i>
	<i>Temp Jack Release</i>	<i>17.00</i>
	<i>Wiper Plug</i>	<i>20.00</i>
	Sub Total	
	Tax	
	Total	<i>397.00</i>

Handling	<i>195</i>	<i>.90</i>	<i>175.50</i>
Mileage	<i>17</i>		<i>99.45</i>
RECEIVED STATE CORPORATION COMMISSION JAN 24 1990			Sub Total
CONSERVATION DIVISION Wichita, Kansas			Total
Floating Equipment			<i>1116.45</i>

Remarks: *1st Plug at 1890' w/ 50SKs*
2nd Plug at 1050 w/ 80SKs
3rd Plug at 250 w/ 40SKs
4th Plug at 40' w/ 10SKs
Ret Hole w/ 15SKs
Thank you

Total \$ 1513.45
Disc - 227.02
\$ 1286.43

G E O L O G I C R E P O R T

Palomino Petroleum
#1 Brenner

100' E. of SE SW NE Sec. 9-19-26W
Ness County, Kansas

MISCELLANEOUS DATA

Elevation: 2570 Gr.; 2575 R.K.B.

This well was drilled with rotary tools, Western Kansas Drilling, Inc. of Hays, Kansas, the contractor.

Moved in rotary tools December 7, 1989. Spudded December 9, 1989. Set 223 feet of new 8-5/8" 20# surface casing and cemented with 145 sacks 60-40 Pozmix, 2% gel, 3% c.c. (circulated). No production casing was set and no electric log was run.: Rotary completed December 17, 1989. Pool - Cruse South. Dry & Abandoned.

GEOLOGIC TOPS AND ZONES

TOP ANHYDRITE (driller) 1852 (+ 723)

There were no shows of oil throughout the "Topeka" section.

TOP HEEBNER SHALE 3852 (-1277)

TOP LANSING-KANSAS CITY 3896 (-1321)

Top member = white and buff partly fossiliferous limestone, pcs with some poor to fair vugular porosity. Some pcs with questionable color, but no show free oil.

Generally dense limestone and white chert with depth (no show oil). Slightly fossiliferous and partly oolitic limestone with questionable staining was scattered through the L-KC section, however, wet samples were examined throughout and there was no show of free oil.

There were no shows of oil throughout the Marmaton section.

TOP FT. SCOTT LIMESTONE 4417 (-1842)

Very small show light free oil. Generally tite, fine to medium xln limestone with poor porosity (also pcs tite oolitic limestone). Few pcs finely xln partly fossiliferous grey limestone with poor vugular porosity and trace light staining. Included in D.S.T. #1 which recovered mud.

TOP CHEROKEE SAND 4493 (-1918)

Good odor and fair to good show medium free oil. Clear and white, fine to medium grained, tite and friable sand clusters. Fair to good amount medium oil saturation. Also pcs weathered white chert with medium to dark oil staining. Included in D.S.T. #1 which recovered mud.

Drill-stem Test #1: A test was taken from 4400-4520; tool open 35 minutes, weak blow to dead in 26 minutes (flushed tool -- weak blow to dead in 8 minutes). Recovered 30 feet of mud (no show oil). Flow pressures 82# to 82#. Thirty-minute shut-in pressure 152#.

4520-4527 Good odor and good show medium to dark free oil. Fresh white opaque chert and weathered chert. Much oil staining, saturation and partial saturation in weathered chert. Included in D.S.T. #2 which recovered oil cut mud.

TOP MISSISSIPPIAN DOLOMITE 4527 (-1952)

4527-4535 Very good odor and good show medium free oil. Fine to medium xln partly fossiliferous white and tan dolomite with poor to fair vugular porosity. Good percentage staining and saturation. Included in D.S.T. #2 which recovered oil cut mud.

RECEIVED
STATE CORPORATION COMMISSION

JAN 24 1990

CONSERVATION DIVISION
Wichita, Kansas

Drill-stem Test #2: A test was taken from 4400-4535; tool open 1 hour (30-30-30-30), good blow throughout. Recovered 245 feet of fluid (125' slightly oil cut mud, 3% oil & 97% mud; 120' oil cut mud, 20% oil & 80% mud, trace of water). Flow pressures 117# to 140# and 187# to 199#. Shut-in pressures 1283# to 1283#.

4535-4540 Good odor and fair show free oil. Dolomite as above, however, some barren porosity and spotty staining. Tested with D.S.T. #3 which recovered water with scum of oil.

Drill-stem Test #3: A test was taken from 4530-4540; tool open 1 hour (30-30-30-30), good blow throughout. Recovered 585 feet of muddy water with scum of oil. Flow pressures 141# to 258# and 258# to 270#. Shut-in pressures 1197# to 1186#.

ROTARY TOTAL DEPTH 4540 (-1965)

REMARKS

All above figures are from rotary bushing zero at an elevation of 2575', five feet above the ground level.

Samples were examined from 3500' and drilling watched from the Lansing-Kansas City to the total depth.

Straight hole tests: none over 1°.

ANN WATCHOUS
Well-site Geologist

TIME LOG

Palomino Petroleum
#1 Brenner

SE SW NE Sec. 9-19-26W
Ness County, Kansas

<u>FROM</u>	<u>TO</u>	<u>MINUTES</u>	<u>REMARKS</u>
3500	3510	3-2-3-3-3	3-4-3-2-3
	-3520	2-2-2-3-2	2-4-3-2-3
	-3530	3-2-3-3-2	2-3-2-2-2
	-3540	1-3-2-3-3	4-4-2-2-4
	-3550	3-4-3-3-2	3-3-2-4-3
3550	3560	3-3-2-2-2	2-2-2-1-2
	-3570	3-5-5-4-3	2-2-3-2-3
	-3580	3-2-3-3-3	2-4-2-3-2
	-3590	3-2-3-3-3	3-2-3-2-3
	-3600	2-3-2-1-1	2-2-1-1-1
3600	3610	1-1-1-1-2	2-1-1-1-1
	-3620	1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1
	-3630	2-3-3-2-2	2-3-2-3-2
	-3640	3-3-2-3-3	4-4-3-2-2
	-3650	3-3-3-3-2	3-3-2-2-2
3650	3660	1-1-1-1-1	1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-2
	-3670	2-2-2-2-2	1-1-2-1-1
	-3680	1-1-1-1-1	1-1-2-3-2
	-3690	2-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1	2-2-1-1-1
	-3700	1-1-1-2-2	2-3-2-2-2
3700	3710	2-2-3-2-2	2-2-2-3-2
	-3720	3-2-3-4-3	2-2-2-2-2
	-3730	2-2-3-2-2	1-1-1-1-2
	-3740	2-3-2-3-2	2-2-2-2-1
	-3750	1-1-1-1-2	2-3-2-2-2
3750	3760	2-2-1-2-2	2-3-2-2-2
	-3770	2-2-2-2-2	2-3-3-3-3
	-3780	3-1-3-3-2	1-1-1-2-1
	-3790	1-1-1-1-1	1-2-2-2-2
	-3800	2-2-1-1-1	1-2-2-1-2
3800	3810	3-2-3-2-1	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1
	-3820	1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$	1-1-1-1-1
	-3830	1-1-1-1-1	1-1-1-1-1
	-3840	1-1-1-1-1	1-2-2-1-2
	-3850	2-1-2-2-2	1-1-1-2-1
3850	3860	2-3-2-1-1	2-1-2-2-2
	-3870	3-2-2-1-3	2-2-2-2-2
	-3880	3-2-2-2-1	1-2-2-1-2
	-3890	1-2-2-1-1	2-2-1-2-3
	-3900	3-1-2-1-2	2-3-3-2-3
3900	3910	2-3-2-3-3	2-1-2-3-3
	-3920	3-3-3-3-2	2-3-3-3-2
	-3930	4-3-2-2-3	3-3-2-3-3
	-3940	2-3-4-5-4	2-3-2-2-2
	-3950	1-1-1-2-2	2-3-2-3-2
3950	3960	3-3-5-4-4	3-3-4-3-1
	-3970	1-2-2-1-2	2-1-1-2-3
	-3980	2-5-3-3-4	2-4-3-4-4
	-3990	3-4-4-3-3	4-3-3-2-3
	-4000	2-2-2-2-3	4-4-4-4-3
4000	4010	3-2-2-2-2	2-2-4-3-3
	-4020	4-3-2-2-4	3-3-3-2-3
	-4030	2-2-2-2-2	1-4-2-1-1
	-4040	1-1-1-1-2	4-2-3-2-3
	-4050	2-2-3-3-3	2-3-4-2-3
4050	4060	5-2-2-2-4	3-3-2-4-3
	-4070	4-3-4-2-4	3-2-2-3-2
	-4080	3-3-2-2-2	2-2-2-4-3
	-4090	3-2-3-3-3	4-3-4-3-3
	-4100	4-3-3-4-3	2-2-3-2-2

TIME LOG

#1 Brenner

Page 2

<u>FROM</u>	<u>TO</u>	<u>MINUTES</u>	<u>REMARKS</u>
4100-4110		3-2-4-2-3 4-2-2-2-2	
-4120		2-1-2-3-2 4-3-4-3-4	
-4130		4-3-3-4-4 4-3-4-4-4	
-4140		2-3-3-3-3 3-4-3-5-3	
-4150		4-3-3-3-2 2-2-2-2-2	
4150-4160		3-1-2-3-3 2-2-3-3-3	
-4170		4-3-3-3-2 3-4-4-4-3	
-4180		2-3-2-2-3 3-3-4-3-4	
-4190		4-3-3-4-5 3-4-3-4-2	
-4200		3-4-3-2-4 3-3-4-4-3	
4200-4210		2-1-1-3-4 4-3-4-4-3	
-4220		4-3-3-2-2 2-2-2-1-1	
-4230		1-2-3-4-3 3-2-3-3-3	
-4240		3-3-3-3-4 4-4-3-4-3	
-4250		3-3-3-3-3 3-3-2-3-4	
4250-4260		3-4-4-6-7 7-5-4-4-4	
-4270		4-5-5-5-4 4-4-5-4-4	
-4280		4-4-4-3-3 3-4-5-4-4	
-4290		4-3-3-3-3 4-4-4-4-4	
-4300		4-3-4-5-3 4-4-4-3-4	
4300-4310		3-4-4-5-4 3-4-4-4-4	
-4320		4-4-4-5-5 4-4-3-4-4	
-4330		3-3-4-4-3 4-4-4-3-4	
-4340		4-3-3-4-4 5-3-5-4-3	
-4350		3-3-4-4-6 4-4-4-5-5	
4350-4360		5-5-5-5-7 6-5-4-3-3	
-4370		3-4-4-4-4 5-3-4-5-5	
-4380		5-5-4-5-4 3-3-4-4-4	
-4390		4-4-4-4-5 4-4-4-4-4	
-4400		3-5-4-4-6 3-5-3-3-4	
4400-4410		3-4-4-3-4 4-4-3-3-3	
-4420		3-2-2-2-2 2-2-3-5-3	
-4430		4-3-4-4-5 4-4-4-3-4	
-4440		5-5-3-4-4 3-2-2-3-3	C.F.S. @ 4440
-4450		4-4-3-6-2 2-3-4-6-4	
4450-4460		3-3-5-3-3 4-3-4-4-4	
-4470		3-3-4-3-3 4-5-5-5-5	
-4480		5-6-6-5-5 5-7-5-5-3	
-4490		3-4-4-4-4 4-4-4-4-4	
-4500		4-6-6-4-4 3-3-4-4-3	
4500-4510		3-4-3-3-4 4-4-3-4-3½	C.F.S. @ 4505
-4520		2½-2½-1½-3-3 3-2½-2½-2½-3	C.F.S. @ 4512; C.F.S. & D.S.T. #1 @ 4520
-4530		1-1-1-2-1 1-½-2½-1-1	C.F.S. @ 4525; C.F.S. @ 4530
-4540		1-1-1-1-1 2-2½-2-2-2½	C.F.S. & D.S.T. #2 @ 4535; C.F.S., D.S.T. #3 & Rotary Total Depth @ 4540 R.B.M.