

P. O. Box 813 - Farmington, N. M.

September 30, 1957

Re: Rincon Unit #57
Sec. 1-26N-7W
Rio Arriba County, N. M.

United States Geological Survey
208 B West Main
Farmington, New Mexico

Gentlemen:

For the completion of your file on the captioned well, we enclose herewith the following:

2 copies of Form 9-330 - Log of oil or gas well
2 copies of Well history

Under separate cover we are sending you two copies of Schlumberger's Neutron, Electrical and Micro logs.

Yours very truly,

TEXAS NATIONAL PETROLEUM CO.

D. E. A. Johnson
D. E. A. Johnson

cc: New Mexico Oil Conservation
Commission
Aztec, New Mexico

2 copies of each of the above is enclosed and the logs are also being mailed under separate cover.



TRANS NATIONAL PETROLEUM CO

SAN JUAN BASIN

WELL HISTORY

RINCON UNIT #57

July, 1957

J. E. Johnson

Location: 99 SWL 990 WEL SW NE NE Sec. 1-26N-7W, NEPM
 R1 Arriba County, New Mexico
 Elevation: Ground: 6591 KH: 6602
 Spud Date: 8/27/55 Completion Date: 11/2/55
 Contractor: Corbett Drilling Co. Rig
 Casing: Surface: 10-3/4" @ 425' KB w/225 sax
 Production: 7" @ 7554 KB w 985 sax plus 1/2 Gal
 Tubing 2-3/8" @ 7161 KB
 ID: 7702 PBD: 7380
 IP 346 MCF/D Producing Formation: Dakota 7300-7361
 7192-7234

Formation:

Top:

	Depth	Datum	Thickness
Harland	2380	4222	355
Buttland	2735	3867	189
Po Cliffs	2924	3678	80
Lewis	3004	3598	596
Cliff House	4609	2002	25
Meramee	4625	1977	1547
Pt. Lookout	5172	1430	140
Mancos	5312	1290	1878
Tocito	6708	106	42
Greenhorn	7090	488	94
Dakota	7184	582	347
Morrison	7531	929	
T D	7702	1100	

Chronological History

Date	Depth	Remarks
8/27/55		Spudded 13-3/4" hole 8:30 P.M.
8/28	455	Landed 10-3/4" csg @ 425' & cemented w 225 sax
9/6/55	4317	Drld 8-3/4" hole. 3/4" @ 4200" Vis. 44 wt. 10.4 W.L. 8.3
9/7	4440	Drig.
9/8	4570	Drig. 1/2" @ 4570
9/9	4695	Twisted off D C's @ 4579. Recovered same & drld ahead
9/10	4895	Drig 3/4" @ 4895
9/11	5055	Drig Vis 42 wt. 9.8 W.L. 9.8
9/12	5275	Lost circ'n @ 5230
9/13	5409	Drig 1" @ 5409
9/14	5684	Drig.
9/15	5945	Drig Vis 41 wt. 9.5 W.L. 6.3
9/16	6179	Drig 1-1/4" @ 6054
9/17	6453	Drig.
9/18	6650	Drig.
9/19	6722	Drld to 6715. Pulled out to core. 1" @ 6715. Vis. 45 wt. 9.7 W.L. 6
9/20	6765	Core #1 (8-5/8") 6715-6765 Cut 50" Rec 17" Tocito sand and shale (5" med. to coarse grained, tight sand bleeding gas). 5 hrs. W O Tester
9/21	6803	DST #1 (Tocito) 6603-6765 Open 4 hrs. 50 min. Shut in 15 min. Gas to surf. 22 min. Est'd 150 MCFPD. Recovered 150" GCM IFP 110 FFP 95, SIP 1061 (Incomplete Build-up), IHP 3450 FHP 3372. Drld ahead.
9/22	7020	Drig. Vis. 42 wt 9.5 W.L. 6.6
9/23	7161	Went in with core barrel @ 7160 but could not cut core - pump pressure abnormally high.
9/23		Tripped core barrel and dumped 1" shale from inner barrel.
9/24	7210	Coring.



9/25	7252	Core #2 (8-5/8" D.) 7163-7213 Cut 50" Rec. 50" Dakota 21" shale, 29" sand with good gas odor. Cored ahead
9/26		Core #3 (8-5/8" D) 7213-7262. Cut 39" Rec. 7" Dakota Sand bleeding gas & pinpoints of oil. Lost returns while going in hole. After getting returns & conditioning mud, drilled ahead.
9/27	7298	DST #2 (Dakota) 7185-7275 Tool open 5 hrs. 15 min. S.I. 15 in. Gas to surf 13 min. 250 MCFPD est'd. Recovered 270" gas & dist. cut mud. IFP 83%, FFP 104#, SIP 1395# (incomplete build up) HP 3688#. Drld ahead
9/28	7365	Drig. Vis. 6 1/4 wt. 10.0 W.L. 6.5
9/29	7394	Drig. Lost returns making a trip @ 7380.
9/30	7440	Drig.
10/1	7506	Started coring @ 7470-
10/2	7511	Core #4 (6-1/8" D) 7470-7511 Cut 4" Rec. 41" Dakota Sand, bleeding gas, siltstone, and shale. Reamed core hole to 8-3/4"
10/3	7543	Pulled core #5 after cutting 10". Core head split. Core #5 (6-1/8" D) 7511-7521. Cut 10" Rec. 41/8" Dakota sand-wet. Cored ahead.
10/4	7552	Core #6 (6-1/8" D) 7521-7544 Cut 23". Rec. 22 1/2" - 10" Dakota sand & conglomerate - wet, 12-1/2" Morrison Shale & siltstone - no shows. Cored ahead.
10/5	7552	Core #7 (6-1/8" D) 7544-7552. Cut 8" Rec. 8" Morrison, Siltstone & shale. No shows. Reamed core hole
10/6	7598	Drig.
10/7	7648	Drig.
10/8	7686	Drig.
10/9	7702	Drld to T.D. & conditioned hole. Ran Schlum ES & Micro log. Tripped in & conditioned hole to lay down DP
10/10	7772	Laid down DP. Ran 7" casing;
		Guide shoe 1.40
		1 Jt 7" 26# J-55 LT & C 32.98
		Float Collar 1.40
		31 Jts 7" 26# J-55 LT&C 981.00
		156 Jts 7" 23# J-55 LT&C 6558.53
		7575.31
		7" above K.B. 21.31
		7" landed @ 7554.00 K.B.
		Cemented with 985 sax SLO-set / 4% Gel
10/11	7262 PB	Plug down 10:30 P.M. with 3000#
		WOC 12 hrs. Set csg. in slips & ran temp. survey.
		Found top cement in annulus @ 4745. Nippled up & started picking up tbq.
10/12	7515 PB	Drld. cement from 7236-7515. Wait on water 8 hrs. to displace mud.
10/13	7515 PB	W/O water 8 hrs. Displaced mud with water and tested csg w 1000# for 15 min. O.K. Ran Schlum Neutron Log perf'd 7482 - 7495 w 52 bullets. DST #3 (Dakota) 7482-7495 w Hookwall @ 7470. Open 6 hrs. 32 min. SI 30 min. Gas to surf 2 hrs. 14 min. Rec. 90" water. IFP 25%, FFP 295#, SIP 557#, HP 3190#. Tripped TBG. Flanged up tree & started tearing down
10/15		Rig released. Started moving in service rig
10/16		
10/18	PBD 7515	Moved in & rigged up service rig
10/19		Attempted to frac thru csg. No breakdown at max press of 3000#
10/20		Ran TBG with packer
10/21		Pumped oil in @ 1 bbl/min @ 4030#
10/22		Tripped tbq.
10/23		With packer set, pumped 500 gallons acid & 75 bbls oil out perf's. Formation broke 4200-4000 psi @ 3-1/2 bbls/min. Did not attempt frac
10/26		Pulled tbq & reperf'd 7482-7495 w 4 jets/ft. Could not get injection rate over 3 bbls/min. Did not attempt frac.
10/27	7461	Tripped tbq & set bridge plug @ 7461. Bullet perforated 4 shots/ft. 7300-7321, 7330-7340, 7352-7361.
10/28	7461	Ran tbq w HOWCO squeeze packer set 7274.
10/29		WOC

10/30/55

Dowell sand-diesel fraced 7300-7351 w 10,000# sand & 10,000 gal diesel. Pumped 28 bbls. diesel ahead of sand at 4000 psi. After 4000#-4000 gals. sand-diesel had been pumped into formation. Tbg press increased from 4000 to 5100 psi and csg press increased from 1000 to 2000 psi. Stopped pumping, released press on tbg and well unloaded in 2 hrs. Initial flow 3 to 8 MCF/D @ 12:01 P.M. thru 2" tbg. No choke. Rate @ 4:00 PM, 736 MCF/D. Flowing 736 MCF/D. No choke. Annulus taking water. Flowing as above. Shut in well & released rig 6:00 PM SITP 2500 psi.

10/31

11/1

11/2

WORKOVER

<u>Date</u>	<u>Plug Back Depth</u>	<u>REMARKS</u>
6/11/56	7461	Moved in & rigged up service unit.
6/12		Unable to kill well with oil. Halliburton rigged up & pumped 52 bbls oil into Dakota. Unable to unseat the packer & Halliburton could not kill the well.
6/13		Flowed oil back. Tried to unseat packer
6/14		Still trying to unseat packer. Mixed salt water with 239 sax salt & changed BOP & well head.
6/15		Mixed 90 more sax salt & started reversing salt water at 5:00 AM. Got salt water returns at 9:25 AM. Worked Packer loose at 10:48 AM. Pulled tbg & circ'd every 20 jts.
6/16	7285	Set McCullough bridge plug @ 7285 & perf'd Graneros 7192-7234 w 4 shots/ft. Set Halliburton HM packer @ 7167. Rigged up to swab salt water out of tbg but could not swab because of sand & bad tbg. Dowell displaced salt water out.
6/17		Flanged up Xmas tree. Dowell fraced w 8400# 20-40 sand & 10,750 gal. diesel. Inj. rate 3 bbls/min. Max press 4100 psi, Min 3400 psi. Job complete 8:00 AM. Stripped head on and circ'd out frac sand. Came out w packer.
6/18		Went in w bit & drid out 70' frac sand
6/19		Ran in & set Lane Wells packer @ 7167. Swabbed tbg. down to 5600' & had a small show of gas.
6/20	PRD 7285	Swabbed tbg. down. Well flowed gas @ about 600 MCF/D. Pulled packer.
6/21		Ran tbg. w 6" perf'ns. Started swabbing 1:15 AM. Fluid level 4200' @ 11:00 AM.
6/22		Swabbing salt water. Sanded up 3:00 AM. Started reversing salt water but ran out of water.
6/23		Continued to reverse circ & work stuck swab.
6/24		Pulled line out with blocks & tripped tbg. Filled hole w salt water & then started displacing w oil.
6/25		Displaced w oil & started swabbing. Swabbed to 345', well flowed to 530' and died. Swabbed until 10:30 PM.
6/26		Shut in until 2:00 AM. Csg. press 150 psi. Well would not flow so swabbed until 3:30 AM. Flowed 3:30 AM. Flowed 3:30 - 5:30 AM. Swabbed oil & salt water rest of the day.
6/27		Swabbed & flowed well until 9:00 PM. Prep to kill well.
6/28		Killed well, tripped tbg & went in with bit.
6/29		Switched oil mud back to reverse & mixed 34 more sax salt. Drid on plug.
6/30	7380	Drid plug down to 7380'. Plug & sand came out of hole. Tripped tbg. to complete well. Tbg. land @ 7381 w seating nipple @ 7330'.
7/1		Circulated salt water out w oil & started swabbing 6:00 AM
7/2		Swabbed well. Kicked off 9:00 AM. C.P. 640 psi. Blew to 10:15 AM & died. C.P. 200 psi.
7/3		Swabbed well. Shut in 10:15 AM, - 12:30 PM. Swabbed until sand line stranded @ 7:00 PM @ swab was lost.
7/4		Tripped tbg & recovered swab. Started swabbing & sand line stranded again - lost swab. Tripped tbg & went in w 3 pronged spear on tbg.

7/5/56

Recovered swab. Ran in & lanced tbg w perf'd jt. ,
on bottom @ 7361'.

7/6

Changed heads, replaced old sand line & started swabbing
7:00 AM. Swabbed & flowed.

7/7

Well unloaded @ 10:30 AM. Released rig & blew well
every 4 hrs.

8/9/56

Open flow potential from Graneros & Dakota 346 MCF/D
Shut in, waiting on pipeline connection.

WELL LOG

WELL NAME

WELL NO.

WELL TYPE

1001, 1001
1001, 1001

Location: 91 GBL 990 WBL Sd Wt R2 Sec. 1-26N-7W, T00N
R1, Lincoln County, New Mexico
Elevation: 6591' KB: 6602'
Spud Date: 8/27/55 Completion Date: 11/2/55
Contractor: Robert Drilling Co. Rig
Casing: 10-3/4" @ 425' R2 u/225' sax
Productions: 7" @ 705' R2 u 985' sax plus 1/2" Gbl
Tubing: 2-3/8" @ 705' R2
ID: 7702 PBD: 7380
IP: 346 MCF/D Producing Formation: Dakota

7100-7301
7102-7154

Formation: Top	Depth	Datum	Thickness
Neotoma	2380	1222	355
Neotoma	2735	3867	105
Red Cliffs	2924	3673	80
Lewis	3004	3598	1596
Cliff House	4609	2002	25
Mesa	4625	1977	517
Pt. Leones	5172	1430	130
Mancos	5312	1290	1872
Tocito	6708	105	42
Greenhorn	7390	488	94
Dakota	7184	582	347
Morrison	7531	929	
T. D.	7702	1100	

Chronological History

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9/8	4579	Drig. 1/2" @ 4570
9/9	4695	Twisted off D C's @ 4579. Recovered same & drld ahead
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9/12	5275	Lost cir'n @ 5230
9/13	5405	Drig. 1" @ 5409
9/14	5664	Drig.
9/15	5945	Drig. Vis 41 wt. 9.5 W.L. 6.3
9/16	6179	Drig. 1-1/4" @ 6054
9/17	6453	Drig.
9/18	6650	Drig.
9/19	6722	Drld to 6715. Pulled out to core. 1" @ 6715. Vis. 45 wt. 9.7 W.L. 6
9/20	6765	Core #1 (8-5/8") 6715-6765 Cut 50' Rec. 17" Tocito sand and shale (5" med. to coarse grained, light sand bleeding gas). 5 hrs. W.O. Tester
9/21	6803	DST #1 (Tocito) 6603-6765 Open 4 hrs. 50 min. Shut in 15 min. Gas to surf. 22 min. Est. 110 MCFPD. Recovered 150" GCM IFP 110 FFP 95, SIP 1061 (incomplete Build-up), IHP 3352 FHP 3372. Drld ahead.
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9/23	7161	Went in with core barrel @ 7160 but could not cut core - pump pressure abnormally high.
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9/24	7210	Coring.

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10/7	7648	Drig.
10/8	7686	Drig.
10/9	7702	Drld to T.D. & conditioned hole. Ran Schlum ES & Micro log. Tripped in & conditioned hole to lay down DP
10/10	7702	Laid down DP. Ran 7" casing;
		Guide shoe 1.40
		1 Jt 7" 26# J-55 LT & C 32.98
		Float Collar 1.40
		31 Jts 7" 26# J-55 LT&C 981.00
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		7575.31
		7" above K.B. 21.31
		7" landed @ 7554.00 K.B.
		Cemented with 985 sax SLO-set / 4% Gel.
10/11	7262 PB	Plug down 10:30 P.M. with 3000#
		WOC 12 hrs. Set csg. in slips & ran temp. survey.
		Found top cement in annulus @ 4745. Nippled up & started picking up tbq.
10/12	7515 PB	Drld. cement from 7236-7515. Wait on water 8 hrs. to displace mud.
10/13	7515 PB	W/O water 8 hrs. Displaced mud with water and tested csg w 1000# for 15 min. O.K. Ran Schlum Neutron Log perf'd 7482 - 7495 w 52 bullets. DST #3 (Dakota) 7482-7495 w Hookwall @ 7470. Open 6 hrs. 32 min. SI 30 min. Gas to surf 2 hrs. 14 min. Rec. 90" water. IFP 25#, FFP 295#, SIP 557#, HP 3190#. Tripped TBG. Flanged up tree & started tearing down
10/15		Rig released. Started moving in service rig
10/16		
10/18	PBD 7515	Moved in & rigged up service rig
10/19		Attempted to frac thru csg. No breakdown at max press of 3000#
10/20		Ran TBG with packer
10/21		Pumped oil in @ 1 bbl/min @ 10/30
10/22		Tripped tbq.
10/23		With packer set, pumped 500 gallons acid & 75 bbls oil out perf's. Formation broke 4200-4000 psi @ 3-1/2 bbls/min. Did not attempt frac
10/26		Pulled tbq & reperf'd 7482-7495 w 4 jets/ft. Could not get injection rate over 3 bbls/min. Did not attempt frac.
10/27	7461	Tripped tbq & set bridge plug @ 7461. Bullet perforated 4 shots/ft. 7300-7321, 7330-7340, 7352-7361.
10/28	7461	Ran tbq w HOWCO squeeze packer set 7274.
10/29		WOC

10/30/53

Dowell sand-diesel fraced 7300-7361 w 10,000# sand & 10,000 gal diesel. Pumped 28 bbls. diesel ahead of sand at 4000 psi. After 4000#-4000 gals. sand-diesel had been pumped into formation. Tbg press increased from 4000 to 5100 psi and csg press increased from 1000 to 2070 psi. Stopped pumping, released press on tbg and well unloaded in 2 hrs. Initial flow 3 to 8 MCF/D @ 12:01 P.M. thru 2" tbg. No choke. Rate @ 4:00 PM, 736 MCF/D. Flowing 736 MCF/D. No choke. Annulus making water. Flowing as above. Shut in well & released rig 6:00 PM SITP 2500 psi.

10/31

11/1

11/2

WORKOVER

<u>Date</u>	<u>Plug Back Depth</u>	<u>REMARKS</u>
6/11/56	7461	Moved in & rigged up service unit.
6/12		Unable to kill well with oil. Halliburton rigged up & pumped 52 bbls oil into Dakota. Unable to unseat the packer & Halliburton could not kill the well.
6/13		Flowed oil back. Tried to unseat packer
6/14		Still trying to unseat packer. Mixed salt water with 239 sax salt & changed BOP & well head.
6/15		Mixed 90 more sax salt & started reversing salt water at 5:00 AM. Got salt water returns at 9:25 AM. Worked Packer loose at 10:48 AM. Pulled tbg & circ'd every 20 jts.
6/16	7285	Set McCullough bridge plug @ 7285 & perf'd Graneros 7192-7234 w 4 shots/ft. Set Halliburton HM packer @ 7167. Rigged up to swab salt water out of tbg but could not swab because of sand & bad tbg. Dowell displaced salt water out.
6/17		Flanged up Xmas tree. Dowell fraced w 8400# 20-40 sand & 10,750 gal. diesel. Inj. rate 3 bbls/min. Max press 4100 psi, Min 3400 psi. Job complete 8:00 AM. Stripped head on and cir'd out frac sand. Came out w packer.
6/18		Went in w bit & drid out 70' frac sand
6/19		Ran in & set Lane Wells packer @ 7167. Swabbed tbg, down to 5600' & had a small show of gas.
6/20	PRD 7285	Swabbed tbg. down. Well flowed gas @ about 600 MCF/D. Pulled packer.
6/21		Ran tbg. w 6' perf'ns. Started swabbing 1:15 AM. Fluid level 4200' @ 11:00 AM.
6/22		Swabbing salt water. Sanded up 3:00 AM. Started reversing salt water but ran out of water.
6/23		Continued to reverse circ & work stuck swab.
6/24		Pulled line out with blocks & tripped tbg. Filled hole w salt water & then started displacing w oil.
6/25		Displaced w oil & started swabbing. Swabbed to 345', well flowed to 530' and died. Swabbed until 10:30 PM.
6/26		Shut in until 2:00 AM. Csg. press 150 psi. Well would not flow so swabbed until 3:30 AM. Flowed 3:30 AM. Flowed 3:30 - 5:30 AM. Swabbed oil & salt water rest of the day.
6/27		Swabbed & flowed well until 9:00 PM. Prep to kill well.
6/28		Killed well, tripped tbg & went in with bit.
6/29		Switched oil mud back to reverse & mixed 34 more sax salt. Drid on plug.
6/30	7380	Drid plug down to 7380'. Plug & sand came out of hole. Tripped tbg. to complete well. Tbg. land @ 7381 w seating nipple @ 7330'.
7/1		Circulated salt water out w oil & started swabbing 6:00 AM
7/2		Swabbed well. Kicked off 9:00 AM. C.P. 640 psi. Blew to 10:15 AM & died. C.P. 200 psi.
7/3		Swabbed well. Shut in 10:15 AM, - 12:30 PM. Swabbed until sand line stranded @ 7:00 PM @ swab was lost.
7/4		Tripped tbg & recovered swab. Started swabbing & sand line stranded again - lost swab. Tripped tbg & went in w 3 pronged spear on tbg.

Page #4

7/5/56

Recovered swab. Ran in & landed tbg w perf'd jt.
on bottom @ 7361'.

7/6

Changed heads, replaced old sand line & started swabbing
7:00 AM. Swabbed & flowed.

7/7

Well unloaded @ 10:30 AM. Released rig & blew well
every 1/2 hrs.

8/9/56

Open flow potential from Graneros & Dakota 346 MCF/D.
Shut in, waiting on pipeline connection.

SAN JUAN COUNTY

FLAMINGO UNIT 4.7

July, 1955
J. E. A. Johnson

Location: 95 SWL 950 WEL SW NE NE Sec. 1-26N-7W, T40N
 R1 Arriba County, New Mexico
 Elevation: Ground: 6592 RB: 6602
 Spud Date: 8/27/55 Completion Date: 11/2/55
 Contractor: Forest Drilling Co. Rig
 Casing: Surface: 10-3/4" @ 425' KB w/225 sax
 Production: 7" @ 7551 KB w 985 sax plus 1% Gcl
 Tubing: 2-3/8" @ 7361 KB
 ID: 7702 PBD: 7380
 IP: 346 MCF/D Producing Formation: Dakota 7300-7361
 7192-7254

Formation: Top	Depth	Datum	Thickness
Permian	2500	4222	355
Permian	2735	3867	189
P. Cliffs	2924	3678	80
Lewis	3004	3598	1596
Cliff House	4600	2002	25
Menefee	4625	1977	547
Pt. Lookout	5172	1430	150
Mancos	5312	1290	1872
Tocito	6708	106	42
Greenhorn	7090	488	94
Dakota	7184	582	547
Morrison	7531	929	
T D	7702	1100	

Chronological History

Date	Depth	Remarks
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8/28	455	Landed 10-3/4" csg @ 425' & cemented w 225 sax
9/6/55	4317	Drld 8-3/4" hole. 3/4" @ 4200' Vis 44 wt. 10.4 W.L. 8.3
9/7	4440	Drig.
9/8	4570	Drig. 1/2" @ 4570
9/9	4695	Twisted off D C's @ 4579. Recovered same & drld ahead
9/10	4895	Drig. 3/4" @ 4895
9/11	5055	Drig. Vis 42 wt. 9.8 W.L. 9.8
9/12	5275	Lost circ'n @ 5230
9/13	5409	Drig. 1" @ 5409
9/14	5684	Drig.
9/15	5945	Drig. Vis 41 wt. 9.5 W.L. 6.3
9/16	6179	Drig. 1-1/4" @ 6054
9/17	6453	Drig.
9/18	6650	Drig.
9/19	6722	Drld to 6715. Pulled out to core 1" @ 6715.
		Vis. 45 wt. 9.7 W.L. 6
9/20	6765	Core #1 (8-5/8") 6715-6765 Cut 50" Rec 17" Tocito sand and shale (5" med to coarse grained, tight sand bleeding gas). 5 hrs. W.O. Tester
9/21	6803	DST #1 (Tocito) 6603-6765 Open 4 hrs. 50 min. Shut in 15 min. Gas to surf. 22 min Est'd 150 MCFPD. Recovered 150" GCM IFP 110 FFP 95, SIP 1061 (incomplete Build-up), IHP 550 FHP 3372. Drld ahead.
9/22	7020	Drig. Vis. 42 wt 9.5 W.L. 6.6
9/23	7161	Went in with core barrel @ 7160 but could not cut core - pump pressure abnormally high.
9/23		Tripped core barrel and dumped 1" shale from inner barrel.
9/24	7210	Coring.