

Well No. 1 Lease Gallegos Canyon Unit

Operator Benson & Montin

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DRILLING AND COMPLETION RECORD

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(IN POCKET)

<input type="checkbox"/>	ELECTRIC LOG - LARGE SCALE
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WELL NO. 1 LEASE Gallegos Canyon Unit  
 OPERATOR Benson & Montin

## COMPLETION SUMMARY

SCHEDULE OF DATES	MONTH	DAY	YEAR
LOCATION <del>was</del> Surveyed	3	30	51
ROTARY RIGGING UP	3	12	51
DRILLING COMMENCED	3	13	51
DRILLING COMPLETED	9	15	51
FIRST PRODUCTION	3	21	51
POTENTIAL TEST	9	28	51
OFFICIAL COMPLETION	9	28	51
PLUGGED (IF DRY HOLE)			

LOCATION DATA			
FIELD	Wildc at	FORMATION COMPLETED IN	Pictured Cliffs
COUNTY	San Juan	STATE	New Mexico
LOCATION	1650	FEET north OF THE	South LINE
AND	1650	FEET east OF THE	West LINE OF
SECTION	19	TOWNSHIP	29 N
		RANGE	12 W
SURVEY		BLOCK NO.	
ELEVATION GROUND	5324	ELEVATION K. B.	5334
ELEVATION CASINGHEAD	5326	WELL SPACING ACRES	

## BRIEF DESCRIPTION OF COMPLETION

FORMATION: OPEN HOLE OR PEFF.; SINGLE, DUAL, TRIPLE, OIL, GAS, WATER, DRY, ETC.

Well was drilled with rotary to top of Pictured Cliffs sand and drilled in with cable tools. Produced 1,020 MCF natural and 3 3/4 gallons water per hour on reaching TD 1317. Plugged back to 1300 with calseal, shot with 190 qts. LNG from 1220-1300. Produced 1,235 MCF & 40 BWPD 69 hours after unloading shot. Squeezed casing shoe with 65 sacks cement - final squeeze pressure 2100 #. Drilled cement, cleaned out. Official State test 1,475 MCF after open 3 hours. Shut-in pressure 467#.

Casing: 10 3/4" @ 98' with 100 sacks  
 5 1/2" @ 1210' with 75 sacks

1. This is one of seven exploratory wells drilled to test the Pictured Cliffs formation.

2. No participating areas have yet been established.

3. While drilling @ 484 feet, the Farmington sand blew out, making it necessary to carry heavy mud and expensive to drill. Plans for coring the Pictured Cliffs were abandoned, therefore, casing set on top of sand and drilled in with cable tools.



## EQUIPMENT SUMMARY

CASING, LINER, HOLE SIZE AND CEMENTING SUMMARY													
SIZE O.D.	QUANTITY FEET	NO. JOINTS	WT.	CPLG.	GRADE	THD	SET AT (DEPTH)	NO. SACKS	TYPE CEMENT	TOP IN ANNULUS	SCRATCHERS AND CENTRALIZERS		
											NO. CNT.	NO. SCR.	MAKE
10-3/4	88'	3	33	short	J-55	8rd	98'	100	Port neat	circ.	--	--	--
5 1/8	1203	37	14	short	J-55	8rd	1210	75	Port neat		3	9	Weatherford

[illegible]

PERFORATION RECORD						
DATE						
COMPANY						
FROM		None				
TO						
NUMBER HOLES						
SIZE						
TYPE						

SURFACE EQUIPMENT SUMMARY (MAKE, MODEL SIZE, ETC.)	
BRADENHEAD	10 3/4 x 9 5/8 Swage 9 5/8 x 5 1/2 Rectorhead, model R
TUBING HEAD	5 1/2" x 3" swaged nipple; 3" WECO union; mandrel; 2" outlets
CHOKER	2 - 2" plug valves
PUMPING UNIT	2 - 1" plug valves
PUMPING ENGINE	
PUMP	

Intermitter is installed on tubing. Merla CA-60

1650' FSL  
1650' FWL  
Section 19  
T29N, R12W

5334

A. R. Greer

1 Gallegos Canyon Unit  
Benson & Montin  
Wildcat  
San Juan  
New Mexico

Benson & Montin

Farmington sand

440

4894

Pictured Cliffs

1205

1210

4129

4124

Farmington sand

G

440

485

Pictured Cliffs

G

1210

1317

First well drilled in Gallegos Canyon Unit.  
It appears to be located on normal regional dip.

See drilling history

100' of section from 1210 to 1310 is sand. However most of gas was encountered in 15' from 1210 to 1225. It is doubtful that interval from 1230 to TD is gas productive.

Farmington sand

440 - 84

Blew out estimated 750 MCF while drilling

San Juan State New Mexico  
Pictured Cliffs

Wildcat  
Gallegos Canyon Unit  
Benson & Montin

DATE		METHOD		TEST		PRODUCTION		PRESSURE AND GAS LIFT	
		YRS.		WATER		GAS		CHOKED	
		NO.		%		%		PRESS.	
				SECT.		SECT.		SECT.	
Tests Taken While Drilling in (Natural) (Casing set @ 1210')									
8-21-51	F	1				500 est.	To	1215	
"	"	3				1,100	"	1221	
"	"	7 $\frac{1}{2}$				1,520	"	1225	
"	"	14				1,270	"	1230	
8-22-51	"	24				1,240	"	1245	
"	"	31				1,200	"	1260	
"	"	36				1,150	"	1265	
8-23-51	"	49				1,065	"	1295	
"	"	57				1,050	"	1313	
"	"	59				1,030	"	1317	
"	"	63				1,020	2.1 "	1317	

Tests Taken After Shot (P.B.T.D. 1300, Csg. Shoe 1210)								
8-30-51	F	1		3,000	72			
"	"	5		2,600	72			
8-31-51	"	20		1,700	48			
"	"	28		1,540	48			
9-1-51	"	45		1,370	40			
9-2-51	"	69		1,235	40			

Tests Taken After Squeezing Shoe with Cement (P.B.T.D. 1300, Csg. 1210)								
9-12-51	F	24		474	8	.312"	225#	(DW)
9-13-51	"	41		468	8	.312"	222#	(DW)
9-16-51	S.I.	24					403#	(DW)
9-18-51	"	72					427#	(DW)
9-28-51	"	13 days					467#	(DW)
9-28-51	F	3		1,250	0			

(1,475 by N. Mex. State Cons. Com. tables)

2" plug valve open

State  
Test

WELL NO. 1 LEASE Gallegos Canyon UnitOPERATOR Benson & Montin

## WELL DRILLING AND COMPLETION HISTORY

DATE	REMARKS
3-30-51	Location surveyed 1650' from SL, 1650' from WL, Sec. 19, 29N, R. 12 W.
8-1-51	Location approved by the New Mexico Oil Conservation Commission.
8-13-51	Rigging up rotary. Elev. 5334' K.B.
8-14-51	Spudded.
8-15-51	Set 10-3/4" casing at 98'.
8-16-51	12:05 A.M. Spudded out from under surface casing. Drilling 7-7/8" hole with clear water. 9:00 A.M. Total Depth 484'. Well blew out in Farmington Sand making estimated 750 MCF. Mixed 9.3# mud and pumped 50 Bbls. into the hole with rams closed. Shut well in. Casing pressure 35#. 2:00 P.M. After mixing additional mud commenced drilling. 3:30 P.M. Total depth 671'. Shut down 10 Min. Well blew out 9.5# mud. 7:00 P.M. Commenced drilling with 10# mud. 11:00 P.M. Weight dropped to 9.7#. Well kicking while drilling. Commenced weighting mud up to 10.2#.
8-17	6:00 A.M. Total Depth 1152'. Well kicking with 10.1# mud. Shut in 30 Min. Casing pressure stabilized at 5#. 1:00 P.M. Total Depth 1195'. Preparing to come out of hole to core. Commenced mixing mud to bring weight up to 11#. 5:00 P.M. Started out of hole with well loaded with 11.4# mud. Pulled 4 stands keeping hole filled and well unloaded. Killed well by circulating heavy mud. Pulled 4 more stands and hole unloaded again. Decided not to core or run electric log. 8:45 P.M. On bottom preparing to drill to casing point.
8-18	2:00 A.M. Total Depth 1220', Top Pictured Cliffs 1215', preparing to run casing. 12:00 Noon Strapped drill pipe out of hole. Corrected Total Depth 1210', corrected Top Pictured Cliffs 1205'. Well kicked out once through drill pipe when float stuck with bottom of drill pipe at 400'. Circulated

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## WELL DRILLING AND COMPLETION HISTORY

DATE	REMARKS
	in 15 Min. to kill well. 6:00 P.M. Set 5½" 14# J-55 8 round thread casing at 1210', with 75 sacks neat cement.
8/19	Waiting on cement, moving out rotary.
8/20	8:00 A.M. Moving in Cable Tools. 6:00 P.M. Drilling cement at 1175'.
8/21	8:00 A.M. Total Depth 1215'. Well making Est. 500 MCF. 10:00 A.M. Total Depth 1221'. Measured 1,100 MCF. 2:30 P.M. Total Depth 1225'. Measured 1520 MCF. 9:00 P.M. Total Depth 1230'. Measured 1270 MCF.
8/22	7:00 A.M. Total Depth 1245'. Measured 1240 MCF. 2:00 P.M. Total Depth 1260'. Measured 1200 MCF. 7:00 P.M. Total Depth 1265'. Measured 1150 MCF.
8/23	8:00 A.M. Total Depth 1295'. Measured 1065 MCF. 4:00 P.M. Total Depth 1313'. Measured 1050 MCF. 6:00 P.M. Total Depth 1317'. Measured 1030 MCF. 10:30 P.M. Total Depth 1317'. Measured 1020 MCF.  First show of water at 6:00 P.M. Bailed 3¼ bailers mud. At 6:15 bailed est. 1½ gal. water. At 6:45 (30 Min. fillup) bailed 2 gal. water. At 10:45 (4 Hr. fillup) bailed 15 gal. water. (3-3/4 Gal. per hour).  Note: Have been adding water to drill with from 1210'. Hole thought to be dry all the way to 1295'. Bailed dry last at 1295'.
8/24	12:10 A.M. Commenced killing well with Halliburton. Pumped 34 bbls. water in well. (Casing & hole volume is 34 bbls.)  1:00 A.M. Bleeding gas from casing. Pressure 475#. 2:00 A.M. Bleeding gas - pressure 300#. 2:30 A.M. Pressure 0. Gas still breaking through. 3:30 A.M. Well dead - Halliburton measured 39 bbls. water into well. (34 bbls. required for 1317'.) Commenced running Lane Wells. 8:30 A.M. Completed running Lane Wells log. 2 bbls. water added while running. Preparing to set Cal-seal plug. 9:45 A.M. Commenced mixing 4 sacks Cal-seal. 10:00 A.M. Cal-seal placed on bottom. 1:00 P.M. Top plug 1285'. Commenced swabbing water out of well. 3:30 P.M. Water swabbed to 1200'. Gas volume est. 10 MCF. 7:00 P.M. Hole bailed to bottom. 9:00 P.M. Bailed 4½ bailers (36 gal.) in 2 hours. 18 gal. per hour. 10:00 P.M. Gauged (8" through 2") 333 MCF. 11:00 P.M. Gauged (10" " 2") 372 MCF. Bailed 2½ bailers (20 gal.) in 2 hrs. 10 gal. per hour.



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## WELL DRILLING AND COMPLETION HISTORY

DATE	REMARKS
8/25	<p>6:00 A.M. Measured 1.7" mercury thru 2" (560 MCF).</p> <p>8:30 A.M. Bailed 40 gal. water after 9½ hour fillup. (4.2 Gal. per hr.)</p> <p>9:30 A.M. Measured 22" water thru 2" (560 MCF).</p> <p>11:00 " Measured 23½" water thru 2" (572 MCF).</p> <p>11:45 " Bailed 14 gal. water in 3¼ hr. fillup. (4.3 gal per hr.)</p> <p>1:30 P.M. Measured 26" water (602 MCF).</p> <p>2:00 P.M. Bailed 9 gal. in 2¼ hr. fillup. (4 gal. per hour).</p> <p>3:15 P.M. Commenced running tubing.</p> <p>3:30 P.M. Dropped tubing - 4 joints of 21' each. 2-12" perforated nipples on bottom. 1-1"x2" reducer on bottom.</p> <p>4:00 P.M. Measured 630 MCF.</p> <p>Contractor agreed to fish for tubing at his cost.</p> <p>Shut down overnight.</p>
8/26	<p>6:00 A.M. Preparing to fish.</p> <p>1:45 P.M. Measured 37" water (720 MCF).</p> <p>7:00 P.M. Recovered 4 joints of tubing, leaving in hole 2-1" collars, 2-12" Perf. nipples, 1-1"x2" reducer.</p> <p>7:30 P.M. Bailed hole dry (33 gal.)</p> <p>Measured 38" water (730 MCF).</p> <p>10:30 P.M. Measured 42" water (768 MCF).</p> <p>Bailed 9 gal. water in 3 hours. 3 gal. per hour (salty).</p> <p>Shut down 12:00 Midnight to 8:00 A.M.</p>
8/27	<p>8:00 A.M. Measured 40" water (752 MCF).</p> <p>8:30 A.M. Bailed 28 gal. water in 10 hour fillup. 2.8 gal. per hour.</p> <p>9:30 A.M. Commenced drilling cal-seal.</p> <p>12:30 P.M. Total Depth 1290'. Measured 40" water (752 MCF).</p> <p>2:00 P.M. Total Depth 1292' - drilling.</p> <p>6:00 P.M. Checked Total Depth by steel line - 1300'.</p> <p>6:15 P.M. Bailed dry.</p> <p>6:30 P.M. Started running tubing.</p> <p>9:30 P.M. On bottom with tubing.</p> <p>9:45 P.M. Shut in. Plugged back total depth 1300'.</p> <p>Shut down at midnight.</p>
8/28	<p>7:00 A.M. Shut in pressure 385# (9 hour S.I.)</p> <p>Killed well thru tubing with 31 bbls. water.</p> <p>9:00 A.M. Commenced pulling tubing.</p> <p>11:00 A.M. After pulling 28 joints well started to kick.</p> <p>Commenced filling well again.</p> <p>3:00 P.M. Well dead. Started pulling tubing again.</p> <p>5:00 P.M. Prep. to load shot.</p> <p>6:30 P.M. Loaded shot 190 qts. liquid nitro-glycerine from 1220-1300'.</p> <p>3 ft. gravel</p> <p>7 ft. cal-seal below pipe</p> <p>26 ft. cal-seal in pipe.</p> <p>Shut down at midnight.</p>

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WELL DRILLING AND COMPLETION HISTORY

DATE	REMARKS
8/29	8:00 A.M. Shot went off. 3:30 P.M. Drilled out Cal-seal to 1210'. 4:00 P.M. Shut down. Commenced working daylight towers only.
8/30	8:00 A.M. Rigged up standpipe. Commenced drilling plug at 1210' at 9:00 A.M. 10:00 A.M. Drilling at 1215' with 1140' water in hole. 11:30 A.M. T.E. 1218', bailed down to 1000' water in hole. Well started to unload. 11:35 A.M. Load water out of hole. 12:25 A.M. Gauged 22# thru 2". (3000 MCF). Lot of water and sand. Est. 3 bbls. hr. water & mud. 5:00 P.M. Gauged 2600 MCF (17# thru 2". Est. 3 bbls. per hr. water and mud.
8/31	8:00 A.M. Gauged 15½" Mercury thru 2" (1,700 MCF). Est. 2 bbl. per hr. salty water. Cleaning out to bottom. Commenced making heavy mud instead of water. 4:00 P.M. Gauged 12.6" Mercury (Clean gas) thru 2". (1,540 MCF). Est. 2 bbls. per hr. heavy mud and water.
9/1	9:30 A.M. Gauged 10" Mercury thru 2" (1,370 MCF). Cleaning out bridge at 1250'. Water decreasing. Est. 1½ to 2 bbls. per hour. Worked one tower.
9/2	9:00 A.M. Gauged 8" Mercury thru 2" (1,235 MCF). Prep. to kill well. (Worked 2 towers.)
9/3	Ran 2" EUE tubing with 3' Perf. nipple on bottom. Killed well with 3½ bbls. mud and 3 bbls. water. Spotted Cal-seal plug thru tubing from 1240-60'. (Worked 2 towers.) 8:30 P.M. Checked top of Cal-seal at 1237' by Schlumberger. JLM.
9/4	2:00 A.M. Well killed after trying to kick out. Used Est. 12 bbls. water. 2:30 A.M. Ran Bolshevik anchor bridge and 26" spread cave catcher with one 3" x 10' shell case for anchor (set on Cal-seal bridge at 1237'). Set top at 1222'. Dumped 3 gal. pea gravel. Did not bridge. 8:00 A.M. Ran Bolshevik Cave Catcher (48") spread with two shell cases (14') anchor set on Cal-seal bridge at 1237'. (Top of catcher at 1219'). Did not bridge. 4:00 P.M. Ran Caliper Survey. 5:30 P.M. Prep. to set bridge. 9:30 P.M. Set bridge with anchor of 19' of 3½" shot shell cases filled with fine pea gravel and Zero Hour 15" umbrella set at 1219', with one foot of coarse gravel in umbrella and one foot above and ½ ft. fine pea gravel above large gravel. (2½ gal. pea gravel apparently settled in large gravel). Top of gravel plug 1217½'.

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## WELL DRILLING AND COMPLETION HISTORY

DATE	REMARKS
9/5/51	5:00 A.M. Dumped 1 sack Cal-seal - no fill up. (Should be 8' per sack for 5" hole). 2nd sack filled up 5'. Top of Cal-seal plug is 1212'.
	10:00 A.M. Waiting on Halliburton. 5:00 A.M. to 10:00 A.M. truck broke down. Water gravities into well when full at rate of .07 bbl. per hour. Pressured up with Halliburton. Formation broke down at 800#. Commenced making up squeeze tool and running tubing.
	5:30 P.M. Commenced set Halliburton D.C. squeeze packer at 1161½-1163'.
	7:30 P.M. Finished squeezing shoe. Mixed 94 sacks cement, reversed out 24 sacks, left 6 sacks in casing below packer. Squeezed formation with 65 sacks neat cement. ½% Flo-seal added to last 30 sacks mixed. Pressure built up rapidly as soon as cement carrying Flo-seal reached shoe. Water source irrigation ditch. Final pressure 2100#.
9/6	Waiting on cement.
9/7	4:00 P.M. Commenced drilling. (one tower.)
9/8	8:00 A.M. Drilling 1170'.
	8:00 P.M. T.D. 1230'. Blew part of water out of hole.
	9:00 P.M. T.D. 1238'. Water filled up to about 1000' in hole. Showing some gas.
	10:45 P.M. Measured 7" water thru 1" (78 MCF).
9/9	8:00 A.M. Measured 60" water thru 1". (240 MCF). Fluid level about 100' off bottom. Bailing - Est. 2 bbls. per hour water.
	9:45 A.M. Measured 88" thru 1". (277 MCF).
	1:00 P.M. Measured 116" thru 1" (320 MCF). Bailing - ½ bailer every 3 or 4 min. (About 70 gal. per hr. fresh water).
	3:00 P.M. Measured 135" thru 1" (344 MCF). Same amount of water.
	6:00 P.M. Measured 10" water thru 2" (372 MCF).
9/10	8:30 A.M. Measured 17" water thru 2" (487 MCF).
	1:30 P.M. " 19" " " 2" (515 MCF). Making estimated 15 gal. per hour salty water.
	7:30 P.M. Started running 1" tubing.
	10:00 P.M. On bottom with tubing (59 joints). Measured 22" water thru 2" (550 MCF). Blew off Est. 3 bbls. water. Shut in at 12:00 Midnight.
9/11	Shut in. Preparing to hook up intermitter and test.
	6:00 P.M. Set intermitter. Opened well on .312 orifice.

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## WELL DRILLING AND COMPLETION HISTORY

DATE	REMARKS
9/12	8:00 A.M. Testing. 6:00 P.M. After open 24 hours on .312" orifice measured back pressure 225# G. dead weight tester. Volume 474 MCF. Estimated 15 Gal. water per hour. Set intermitter on siphon line to open 8 minutes every 3 hours.
9/13	11:00 A.M. After open 41 hours on .312" orifice measured 222# D.W. tester. Volume 468 MCF. Set intermitter to open 10 minutes every 3 hours.
9/14	Testing.
9/15	Testing. Cable tool men shut well in and ended test before gauging. Shut in 12:30 P.M.
9/16	Measured shut in pressure at 12:30 P.M. 403# (D.W.T./24 hrs. Opened up Farmington Sand and unloaded Est. 4 or 5 bbls. mud. Blowing, Est. 750 MCF.
9/17	Shut in.
9/18	Shut in. 72 hour S.I.P. 427# (D.W. Tester). Opened up Farmington sand. Blew Est. $\frac{1}{2}$ bbl. mud out in 5 min. Blew Pictured Cliffs zone thru siphon line until pressure dropped 30# to 400#. No water in hole.
9/18 to 9/23	Shut in.
9/24	Shut in pressure Pictured Cliffs 455# (Spring gauge). Farmington shut in pressure 50#. (Farmington is probably loaded up with about 400' of water & mud.) Blew Farmington for about 1 hour. Measured 350 MCF.
9/25	Shut in.
9/28	6:00 P.M. 3-Hour open flow test witnessed by Oil Conservation Commission measured 5.2" mercury thru 2". Open flow: 1,475 MCF by Conservation Commission tables; 1,250 MCF by Benson & Montin calculations. Shut-in pressure 467# DWT. (Shut in 13 days)

Well 1 Lease Gallegos Canyon UnitOperators Benson & Montin

3-18-51

Plug down at 6:00 PM

CASING:Set all new 5 $\frac{1}{8}$ " 14# J-55 8rd short T & C casing at 1210'.

Weatherford centralizers set at:

1139'

1172'

1204'

Weatherford Scratchers set at:

1150'

1193'

1159'

1201'

1167'

1205'

1132'

1203'

1190'

Halliburton common guide shoe on bottom.

Halliburton float collar at 1165' to 1166'.

CEMENT:

Used 75 sacks Portland cement, mixed neat. Used 12 barrels water, which is 6.25 sacks per barrel or 6.7 gallons per sack.

Source of water: Irrigation ditch just north of well.

MUD:

11#, 77 Sec. aquagel, barite mud which had been treated with only small amount of chemical (50# quebracho, 8.25# caustic soda) just prior to running casing to reduce viscosity from 120 Sec.

GENERAL:

Used top and bottom wooden plugs. Preceded cement with 5 barrels of water. Reciprocated casing while cement was going around shoe. Displaced cement around shoe at rate of 5 to 6 barrels per minute. Set about one-half weight of casing on bottom. Swung balance (5,000 to 7,000#) from slips.

DRILLING TIME

L

Well 1 Lease Gallegos Canyon Unit

Operators Benson &amp; Montin

<u>DEPTH</u>		<u>DRILLING TIME</u>
<u>From</u>	<u>To</u>	
1' Intervals		
521	530	30S-29S-29S-32S-30S-31S-28S-31S-30S
530	540	30S-30S-29S-29S-30S-31S-31S-30S-31S-30S
10' Intervals		
540	600	3-3-2-3-4-5
600	700	4-3-3-3-2-2-3-5-5-5
700	800	5-10-5-5-5-15-5-5-5-5
800	910	10-15-15-5-20-10-5-20-5-10-20
5' Intervals		
910	950	10-6-7-6-6-7-6-3
950	1000	5-4-4-5-3-4-4-4-5-5
1000	1050	7-6-8-8-7-6-5-5-6-5
1050	1100	5-5-5-5-5-6-5-6-6-6
1100	1150	6-6-6-7-6-6-5-6-7-5
1150	1200	4-1-5-7-5-5-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -2-4 3/4
1' Intervals		
1200	1209	49S-50S-45S-50S-60S-35S-30S-40S-60S
	1210	1M 40S
	1211	2M 30S
	1212	2M 30S
	1213	2M 40S
	1214	2M 15S
	1215	2M 30S
	1216	1M
	1217	1M 15S
	1218	1M 5S
	1219	1M 30S
	1220	1M 40S

Corrected Total Depth to 1210'



LEASE Gallegos Canyon Unit

Benson & Martin

## SAMPLE DESCRIPTION

REMARKS	LIME OR DOL	SHALE	ANH	SAND	CHERT	OTHER	PORO	STAIN	FLUOR	FROM	TO
$\frac{1}{2}$ coarse clear clean qtz											
sand, $\frac{1}{2}$ tan shaly sand				100						1210	1215
" "				100 *							1220*
Well blew all cuttings out of hole.											
Fine grained gray sand				100						1220	1245
"				100							1250
"				100							1255
"				100							1260
"				100							1265
"				100							1270
"				100							1275
"				100							1280
"				100							1290
"				100							1295
"				100							1300
"				100							1310
		50(Gray)		50						1300	1317

\*well blowing cuttings out of hole difficult to get a good sample.