

COUNTY	LEA	FIELD	Wildcat	STATE	NM
OPR	BASS BROTHERS ENTERPRISES, INC.			MAP	
	1 North Custer Mountain Unit			CO-ORD	
	Sec. 28, T-23-S, R-15-E				
	660' FNL, 1980' FWL of Sec.				
	Spd 1-13-66				
	Cmp 7-15-66				
CSG & SX - TUBING		CLASS			
		FORMATION	DATUM	FORMATION	DATUM
20"	439'	750			
16"	3902'	5650			
13 3/8"	5784'	2900			
9 5/8"	12175'	4380			
LOGS EL GR RA IND HC A					
PLUGGED & ABANDONED		TD 16,000'			

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CONT. McVay Drlg. Co.
 DATE _____

PROP DEPTH 16,500' TYPE _____

F.R. 1-6-66; Opr's Elev. 3406' KB
 PD 16,500' - Sil-Dev.
 Cent. - McVay Drlg. Co.
 Drlg. 900' sd & sh.
 Drlg. 3193' anhy & salt.
 TD 4238', fshg.
 TD 5083', fshg.
 Lost returns @ 4762'
 TD 5033', PBD 4111', prep to drill by.
 Drlg. 5494'.
 TD 5800', WOC.
 Drlg. 7819' lm, sd & sh.
 Drlg. 8860' lm & sd.
 DST 8690-8734', open 1 hr,
 rec 3210' gas in DP + 95' GCM,
 1 hr TSIP 371#, FP 89-89#,
 1 hr FSIP 332#.

21-66 TD 9805' lm, sd & sh., circ.
DST 9210-9352', open 1 hr,
rec 1080' gas in DP + 70' Sli GCM,
1 hr ISIP 241#, FP 126-126#,
1 hr FSIP 177#.

3-28-66 Drig. 10560' lm & sh.
DST 10072-243', open 1 hr,
rec 660' gas in DP + 210' GCM,
1 hr ISIP 443#, FP 135-186#,
1 hr FSIP 306#.

4-4-66 Drig. 11805' lm & sd.
4-11-66 Drig. 11837' lm, sd & sh.
DST 11481-591', open 1 hr,
rec 173' DM,
1 hr ISIP 203#, FP 139-139#,
1 hr FSIP 203#.

4-18-66 TD 12249', running logs.
DST 11803-908', open 1 hr,
GCS 17 mins @ TSEM,
Rec 308' Sli GCM,
1 hr ISIP 558#, FP 148-225#,
1 hr FSIP 417#.

4-25-66 Drig. 12300' lm & sd.
5-2-66 Drig. 12772'.
5-9-66 Drig. 13152' lm, sh & ch.
5-16-66 Drig. 13450' lm, sh & ch.
5-23-66 Drig. 13710' lm, sh & ch.
5-31-66 Drig. 14008' lm, sh & sd.
DST 11678-975', open 1 hr,
Rec 311' GCM,
30 min ISIP 2622#, FP 1626-1626#,
45 min FSIP 2549#.

6-6-66 Drlg. 14326' sh.
DST 13897-14228', open 1 hr,
Used 3000' WB,
Rec 3000' WB, 798' gas in DP + 2220' DM,
45 min ISIP 2930#, FP 1680-1759#
45 min FSIP 2755#.

6-13-66 Drlg. 14700' sh.
DST 14348-515', open 45 mins,
Rec 5111' WB + 176' Sli GCM,
45 min ISIP 3477#, FP 2364-2423#,
45 min FSIP 2911#, FP 9258#.

6-20-66 Drlg. 15146'.
6-27-66 Drlg. 15405' 1m, sh & ch.
7-5-66 Drlg. 15718' 1m & sh.
7-11-66 Drlg. 15946' 1m.

7-18-66 DST 15548-900', open 1 hr,
Rec 6000' WB + 150' Sli GCM,
45 min ISIP 4320#, FP 2803-2842#,
45 min FSIP 4532#.
TD 16000', PLUGGED & ABANDONED.
DST 15550-16000', open 1 hr 30 mins,
Used 6000' WB,
Rec 6000' WB, 1500' GC Drlg. Fluid +
375' GC Black Salty Sul Wtr,
45 min ISIP 6922#, FP 2983-3595#,
45 min FSIP 6922#.
LOG TOPS: Anhydrite 1555', Yates 3947',
1st Delaware Sand 5635', Bone Spring 8997',
Wolfcamp 11585', Strawn 12500', Atoka
12730', Barnett 14160', Mississippian lime
15170', Woodford 15570', Devonian 15846'.

Water Resources Division
P.O. Box 421 SEP 9 11 40 AM '66
Albuquerque, New Mexico
September 7, 1966

Mr. D. S. Nutter
Chief Engineer
New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Nutter:

Enclosed is a copy of the agreement we have negotiated with Bass Brothers Enterprises and other unit partners for the No. 1 North Custer Mountain Unit, 660 FWL and 1980 FWL Sec. 28, T. 23 S., R. 35 E., Lea County, New Mexico.

As part of this agreement we have agreed to assume all future responsibility, expense and liability with respect to plugging and abandonment of the well and restoration of the surface. This will be in accordance with the existing Oil and Gas Conservation Commission regulations at the time the well is plugged.

We would appreciate it if your office would advise the Water Resources Division of the U.S. Geological Survey if this letter will satisfy your requirement for the assumption of the obligation by the Water Resources Division to plug the North Custer Mountain Unit No. 1 at some future date.

Thank you for your help and cooperation with our study.

Sincerely yours,

William L. Hiss
Hydrologist

For W. E. Hale
District Chief

Enclosures

cc: Mr. J. D. Ramsey, Supervisor and Oil and Gas Inspector, NMOCC,
Box 1980, Hobbs, New Mexico
Mr. Guyton B. Hays, Commissioner of Public Lands, P.O. Box 1148
Santa Fe, New Mexico 87501
Mr. E. R. Cox, U.S.G.S., WRD, Carlsbad, N. Mex.

1. The first part of the paper discusses the importance of the study of the history of the United States. It is argued that a knowledge of the past is essential for a full understanding of the present and for the development of a sound policy for the future.

2. The second part of the paper discusses the role of the government in the development of the United States. It is argued that the government has played a crucial role in the development of the country, and that its actions have been guided by a set of principles that have been passed down from generation to generation.

3. The third part of the paper discusses the role of the individual in the development of the United States. It is argued that the individual has played a crucial role in the development of the country, and that his actions have been guided by a set of principles that have been passed down from generation to generation.

4. The fourth part of the paper discusses the role of the community in the development of the United States. It is argued that the community has played a crucial role in the development of the country, and that its actions have been guided by a set of principles that have been passed down from generation to generation.

5. The fifth part of the paper discusses the role of the nation in the development of the United States. It is argued that the nation has played a crucial role in the development of the country, and that its actions have been guided by a set of principles that have been passed down from generation to generation.

6. The sixth part of the paper discusses the role of the world in the development of the United States. It is argued that the world has played a crucial role in the development of the country, and that its actions have been guided by a set of principles that have been passed down from generation to generation.

7. The seventh part of the paper discusses the role of the future in the development of the United States. It is argued that the future has played a crucial role in the development of the country, and that its actions have been guided by a set of principles that have been passed down from generation to generation.

8. The eighth part of the paper discusses the role of the present in the development of the United States. It is argued that the present has played a crucial role in the development of the country, and that its actions have been guided by a set of principles that have been passed down from generation to generation.



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Water Resources Division
P.O. Box 4217
Albuquerque, New Mexico
September 12, 1966

Mr. D. W. Evertson
Research Engineer
Defense Research Laboratory
The University of Texas
P.O. Drawer 8029
Austin, Texas 78712

Dear Mr. Evertson:

Subject: Possible future use of the North Custer Mountain Unit No. 1
in seismic experimentation.

Thank you for your letter of September 2, 1966 in which you indicate that you may have a need for the open hole section in the North Custer Mountain Unit for testing of experimental seismic apparatus now under development.

Since you indicate that it will be at least several months before you will need to use this hole, we will set a drillable bridge plug at approximately 5300 feet in order to isolate the upper part of the hole in which we are interested. We will then perforate the Capitan Limestone Formation and proceed with our aquifer test. Should you need the hole for your experimentation it will be a relatively inexpensive and simple matter to drill out the bridge plug which will allow you access to the entire 12,800 feet of hole.

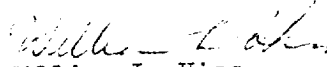
It is our understanding that Bass Brothers et al ran a seismic reference survey (SRS) in this hole. I feel certain that if you contact Mr. Bill Ford, Geologist, Perry R. Bass, Inc., P.O. Box 171, Midland, Texas, 79701, you will be able to get this information and copies of any other logs you may need.

You are undoubtedly aware of the recent earthquake which was reported by the Press to be centered near Kermit, Texas, about 30 miles south south-east of the well location.

D. W. Evertson
Defense Research Lab.
Austin, Texas
Page 2

We will be happy to cooperate with you in the use of the hole anytime.
Please let us know when we can be of further assistance.

Sincerely yours,


William L. Hiss
Hydrologist

For W. E. Hale, District Chief

cc: Mr. R. J. Brazee, Coast and Geodetic Survey, ESSA, Washington, D.C.
Dr. R. T. Zbur, Airforce Special Weapons Lab., Kirtland AFB,
Albuquerque, New Mexico
Mr. E. R. Cox, USGS, WRD, Carlsbad, New Mexico
Mr. G. B. Hays, New Mexico Commissioner of Public Lands, Santa Fe, N. Mex.
Mr. J. D. Ramey, New Mexico Oil Conservation Commission, Hobbs, N. Mex. ✓

Letter

12-840

~~12-840~~

12-840

Russ - North Eastern Mountain Range
12-840 12-840 12-840

but this U.S.G.S. ALB

Midland 919 682-4329 River Port
Monrovia 914 943-2453

21

7/14/66

TENT. PLUGS

3-0/

TD. 15,990 - 10027

14,990 - 700 M. 100 3-0/

~~12840~~ - 1st M. 100 3-0/
1st M. 100 3-0/

12840

LATER 1000 3-0/

1st M. 100 3-0/

1st M. 100 3-0/

BASS - NORTH CUSTER Mountain Unit #1

660/1 E W 28-23-35

Bill Hiss U.S.G.S. - MLBQ

Midland 915 682-4329 Perry Boss

Monahan 915 943-2543

7/14/66

TENT. PLUGS

3-0/

TD. 15,990 - 10027

14,990 - TOP MOUNTAIN

~~12840~~ - 1st Prod. Unit
Urban Shale

12840

ILLEGIBLE

LATER 370 Shale

and also the 1st Prod. Unit

in the 1st Prod. Unit

BASS - NORTH CUSTER Mountain Unit #1

660/1 E W 28-23-35-

Bill Hiss U.S.G.S. - MBQ

Midland 915 682-4329 Perry Boss

Monahan 915 943-2543

Bill Nass. USN's - take and from

Perry R. Bass -

28-23-35. N. Cust. 1000. 1000

Top Half to Hys. 1000

Batter Half to USNA 1000
From White Sands

12,172

100,175.269 5/8 C. 1000

OH. Top of Perm. to Devonian

Pipr 12,175.26 - 9 5/8 C.

TD 16,000

28-23-35

NO Proximity } in to
NO Permissibility }

ILLEGIBLE

Bob Carl Von Elm. / Gu. E

V. I. V. St. #1

A24 3"

Top of ^{Cent.} ~~Cent.~~ 2450 by Temp.

2400 — by logs.

~~660~~ 5 E E

26-13.33 E

Base of Salt

1705 Top ANA

2