WELL RECORD

Company M.S.B.W.Co. Address Aztec, New Mexico

Send correspondence to Robert L. Maddox Address Box 182. Aztec, New Mexico

Hargis Well No. 1 in NE¼ SW¼ of Sec. 33, T. 30N.

R. 12 West, N.M.P.M., Fulcher Basin Oil Field San Juan County.

If State land the oil and gas lease is No. Assignment No.

If patented land the owner is John C. Hargis, Address Aztec, New Mexico

The lessee is Robert L. Maddox, Address Aztec, New Mexico

If not state or patented land, give status

Drilling commenced September 15th 1944 Drilling was completed Sept. 25, 1945

Name of Drilling contractor Joe D. Turner, Address Albuquerque, N. M.

Elevation above sea level at top of casing 5610 feet.

The information given is to be kept confidential until none

IMPORTANT WATER SANDS

No. 1, from 20 ft. to 40 ft. No. 3, from 1651 to Top of Fruitland Coal

No. 2 from 772 to 780 No. 4 from to

OIL SANDS OR ZONES

No. 1, from None to No. 4, from None to

No. 2, from None to No. 5, from None to

No. 3, from None to No. 6, from None to

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of Shoe	Cut & Filled From	Perforated From	To	Purpose
12½	48	10	Nat'l.	40'	Texas				
10¾	32.75	8	"	476'	Texas				
8	32	8	"	1520'	"				
7	20	8	"	1700	"				
5½	14	8	"	65	Baker				

MUDDING & CEMENTING RECORD

Size	Where Set	No Sacks of Cement	Method used	Mud Gravity	Amount of Mud used
12½	40	10	Haliburton		
7	1700	50	Haliburton		
5½	65 feet liner	15	Haliburton		

Company [illegible] Address [illegible], [illegible]

Name of correspondent [illegible] Address [illegible], Aztec, New Mexico

Lease is [illegible] Well No. 1 in [illegible] of Sec. 36, T. [illegible] N.

R. 11 West, N.M.P.M., Fulcher Basin Oil Field, San Juan County.

If State land the oil and gas lease No. ______ Assignment No. ______.

If patented land the owner is John [illegible], Address [illegible], New Mexico.

The lessee is [illegible] Maddox, Address Aztec, New Mexico

If not state or patented land, give status ______________________

Drilling commenced September 18th 1944 Drilling was completed Sept. 20, 1945

Name of drilling contractor Joe P. Turner, Address Albuquerque, N. M.

Elevation above sea level at top of casing [illegible] feet.

The information given is to be kept confidential until None

IMPORTANT WATER SANDS

No. 1, from 20 ft. to 40 ft. No. 3, from [illegible] to Top of Fruitland Coal

No. 2 from 772 to [illegible] No. 4 from ______ to ______

OIL SANDS OR ZONES

No. 1, from None to ______ No. 4, from None to ______

No. 2, from None to ______ No. 5, from None to ______

No. 3, from None to ______ No. 6, from None to ______

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of Shoe	Cut & Filled From	Perforated From	To	Purpose
12½	[illegible]	10	[illegible]	60'	Texas				
10	[illegible]	"	"	[illegible]'	Texas				
[illegible]	[illegible]	"	"	[illegible]'	"				
[illegible]	20	"	"	[illegible]	"				
[illegible]	[illegible]		"	[illegible]	[illegible]				

Size	Where set	No. sacks of cement	Method used	Mud gravity	Amount of mud used
12½	[illegible]	10	Halliburton		
7	1700	30	Halliburton		
[illegible]	On [illegible] 15		Halliburton		

PLUGS AND ADAPTERS

Heaving plug -- Material _____ Length _____ Depth Set _____

Adapters - Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Dated	Depth Shot	Depth Cleaned Out
-	-----	---- -	--	--	----	-----

Tools used

Rotary tools were used from _____ ft. to _____ ft. and from __ ft. to _____ft

Cable tools were used from Surface ft. to 1808 ft. and from ___ft. to _____ft.

PRODUCTION

Put to producing _____ 19__.

The production of the first 24 hours was ____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, Be _____

If gas well, cu. ft. per 24 hours 1,200,000 Gallons gasoline per 1,000 cu. ft. of gas none

Rock pressure, lbs. per sq. in. _____

EMPLOYES

Joe D. Turner, Driller Al Featherstone, Driller

Ben Case, Driller Floyd West, Driller

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	8	8	Surface soil
8	40	32	Boulders, carrying water in bottom
40	49	9	Blue shale
49	187	138	Sand Rock (Alamo)
187	192	5	Green Shale
192	225	33	Grey Sahle
225	232	7	Sandy Shale
232	303	71	Sand Rock, (Coarse grains)
303	335	32	Grey Shale
335	395	60	Sand Rock
395	529	134	Blue Shale
529	625	96	Grey Shale
625	640	5	Sand Rock
640	645	5	Grey Shale

Page [illegible] - Well Log No. 1

PLUGS AND ADAPTERS

Heaving plug — Material ___ Length ___ Depth set ___

Adapters — Material ___ Size ___

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
—	—	—	—	—	—	—

TOOLS USED

Rotary tools were used from ___ ft. to ___ ft. and from ___ ft. to ___ ft.

Cable tools were used from surface ft. to 1803 ft. and from ___ ft. to ___ ft.

DATES

Put to producing ___

The production of the first 24 hours was ___ barrels of fluid of which ___% was oil; ___% emulsion; ___% water; and ___% sediment. Gravity, Be ___

If gas well, cu. ft. per 24 hours 1,200,000 Gallons gasoline per 1,000 cu. ft. of gas none

Rock pressure, lbs. per sq. in. ___

EMPLOYEES

Joe D. Turner, Driller Al Fetherstone, Driller

Ben Case, Driller Floyd West, Driller

FORMATION RECORD

From	To	Thickness	Formation
0	[illegible]	[illegible]	Surface soil
8	40	32	Boulders, gravel, water in bottom
40	48	[illegible]	Blue shale
48	187	139	Sand rock (Flaco)
187	192	5	Green shale
192	225	33	Grey shale
225	232	7	Sandy shale
232	303	71	Sand rock, (coarse grains)
303	325	22	Grey shale
325	[illegible]	[illegible]	Sand rock
[illegible]	[illegible]	[illegible]	Blue shale
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
645	680	45	Sandy Shale
680	690	10	Blue Shale
690	700	10	Grey Shale
700	710	10	Sand Rock
710	772	62	Grey Shale
772	780	8	Sand Rock
780	940	160	Sandy shale
940	960	20	Sand Rock
960	1125	165	Shale
1125	1130	5	Sand Rock
1130	1302	172	Blue Shale
1302	1308	6	Brown Sandy Shale
1308	1315	7	Blue Shale
1315	1360	45	Grey Shale
1360	1385	25	Blue Shale
1385	1395	10	Dark Shale with Coal Lenses
1395	1440	45	Grey Shale
1440	1450	10	Brown Shale
1450	1460	10	Dark Shale with coal lenses
1460	1485	25	Grey Shale
1485	1500	15	Brown Shale
1500	1530	30	Blue Shale
1530	1550	20	Blue Shale with Soap stone lenses
1550	1595	45	Blue Shale with hard lime shells
1595	1605	10	Brown Shale with Coal lenses
1605	1615	10	Dark Shale with Coal lenses
1615	1634	19	Dark Shale, Caving
1634	1643	9	Light Grey Shale. Sticky
1643	1648	5	Sand and lime Shells
1648	1651	3	Bluish Grey Shale
1651	1671	20	Coal (Fruitland)
1671	1689	18	Grey Shale
1689	1693	4	Dark Shale, Show of gas
1693	1697	4	Sandy Shale More Gas
1697	1700	3	Sandy Shale and Sand. Gas
1700	1710	10	Coarse Grey Sand. Strong flow gas
1710	1712	2	Sandy Shale
1712	1720	8	Grey Sand. Gas increased about 250,000 ft
1720	1732	12	Grey Shale
1732	1738	6	Coarse Grey Sand, Well Tested 1,200000
1738	1747	9	Fine Grey Sand
1747	1753	6	Light Grey Sand
1753	1775	22	Light Grey Sand
1775	1785	10	Blush Grey Shale
1785	1788	3	Fine Grey Sand
1788	1808 T.D.	20	Grey Shale

635	680	45	Sandy Shale
680	690	10	[illegible] Shale
690	700	10	Grey Shale
700	710	10	Sand Rock
710	772	62	[illegible] Shale
772	777	5	Sand Rock
780	940	160	Sandy Shale
940	960	20	Sand Rock
960	1125	165	Shale
1125	1130	5	Sand Rock
1130	1302	172	Blue Shale
1302	1308	6	Brown Sandy Shale
1308	1315	7	Blue Shale
1315	1360	45	Grey Shale
1360	1365	5	Blue Shale
1365	1395	[illegible]	Dark Shale with coal lenses
1395	1440	45	Grey Shale
1440	1450	10	Brown Shale
1450	1460	10	Dark Shale with coal lenses
1460	1485	25	Grey Shale
1485	1500	15	Brown Shale
1500	1530	30	Blue Shale
1530	1550	20	Blue Shale with soap stone lenses
1550	1595	45	Blue Shale with hard lime shells
1595	1605	10	Brown Shale with Coal lenses
1605	1615	10	Dark Shale with Coal lenses
1615	1634	19	Dark Shale, caving
1634	1643	9	Light Grey Shale, Sticky
1643	1648	5	Sand and lime Shells
1648	1651	3	Bluish Grey Shale
1651	1671	20	Coal (Fruitland)
1671	1684	13	Grey Shale
1684	1688	4	Dark Shale, [illegible]
1688	1697	9	Sandy Shale [illegible]
1697	1700	3	[illegible]
1700	1710	10	Coarse Grey Sand, Strong flow gas
1710	1712	2	Sandy Shale
1712	1720	8	Grey Sand. Gas increased about 200,000 ft
1720	1732	12	Grey Shale
1732	1738	6	Coarse Grey Sand, Well Tested 1,200,000
1738	1747	[illegible]	Fine Grey Sand
1747	[illegible]	[illegible]	Light Grey Sand
[illegible]	1776	[illegible]	Light Grey Sand
1776	1786	10	Bluish Grey Shale
1786	1789	3	Fine Grey Sand
1789	1803	[illegible]	Grey Shale