

CULBERT L. OLSON  
GOVERNOR



KENNETH I. FULTON  
DIRECTOR OF NATURAL RESOURCES

R. D. BUSH  
STATE OIL AND GAS SUPERVISOR

E. J. KAPLOW, DEPUTY

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

Coalinga, California  
December 31, 1941

Mr. W. F. Keys  
Cotati  
California

Dear Sir:

Your report of abandonment of well No. 1, Section 3,  
T. 12N., R. 17W., M.D.B. & M., Mendocino County, dated December  
29, 1941, and submitted to this Division on our form 102, has  
been examined in conjunction with records filed in this  
office.

A review of the reports and records shows that the re-  
quirements of this Division, which are based on all information  
filed with it, have now been fulfilled.

Yours truly

R. D. BUSH  
State Oil and Gas Supervisor

BY: E. J. Kaplow  
Deputy Supervisor

*Included in list  
of ~~Winded~~ Wells  
Abandoned in 1941*

HJK:rh

045 00002

NO.	DATE	DESCRIPTION	STATUS
1	12/29/41	Abandonment of well No. 1, Section 3, T. 12N., R. 17W., M.D.B. & M., Mendocino County	Completed

H. F. KBYT - Well #1  
(Formerly Point Arena Land Co.)

By: John D. Hale 9-4-41  
The Superior Oil Company

Location: 200' N and 300' W of SE corner of Section 3, 12N/17W MDBM, Mendocino  
County wildcat.

Elevation: 40+

Spud: 11-6-40 cable tools 0-511  
rotary from 511

Status: as of 9-4-41 1692 siltst coring (no schlum run yct)

Casing: 16" cmtd 214

Points: First heavy tarry oil= 735 (-695) ditch

- Sample 887-900: From scout report
- Uvigerinella impolita
  - Bolivina marginata var.
  - Globobulimina pacifica
  - Bolivina floridana
  - Buliminella subfusiformis
  - Cubicides cf. floridanus
  - Cubicides sp.
  - Virgulina sp.
  - Diatoms
  - Radiolaria

This sample equals a division of the Lower Miocene or Kleinpell's Upper Saucisson or the Media shale of Upper Tumbler age, below the Sutton Bed sandstone and above the Carneros sandstone, equivalent to 10256+ at Rio Bravo (Union 85-34), same as the Blakely Formation of Washington or the Nye Formation of Oregon.

Note: The cores taken on this hole are conventional type cores. Instead of the regular type of tin core tray, redwood box troughs have been constructed for the cored material. These boxes are about 10-15' long and usually contain a whole core. However, the depth interval on the boxes, and as given in the description, represents the depth of the material in the box and not that of the interval of the core itself.

Cored continuously from 700'+; some of the cores not marked and therefore not included in this description or sampled.

700+	735+	24	24'	(2 cores)
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Siltstone, fine sandy, dull grey, massive, firm, few steep angled partings, no tar stain, scattered fish scales and forams.

Note: This material is in two unmarked 10' boxes. Driller says it was cored just before the tar showed up at 735, 24' of this material from drilling rate and then 4' hard streak 731-735.

OVERLAP  
730

745	745	10	10'	Siltstone, medium dark brownish grey to light dull grey, fine sandy, with local calcareous streaks, very hard and calcareous in top 2' of interval, few thin streaks of fine to medium well saturated medium brown oil sand 7' from top of core in a 1' interval, scattered fish scales and forams, massive.
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FIRST HEAVY TARRY OIL= 735 ditch

745 792

Core gap <sup>now has \*</sup>

D.F. office docs ~~not~~ have a copy of this  
S.F.

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\* See letter to R.O.B. of 12/02/41

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Sec. 3, 121/17a

792	804	10	10'	<sup>self</sup> Sandstone, medium brownish grey to light dull grey, fine sandy, rare scattered very coarse and pebbly grains with 1/4" diameter, massive, firm, no tar stains, scattered forams and fish scales.
804	808	4	4'	Sandy siltstone ditto, light brown cut with acetone at bottom of interval, very sandy, scattered fish scales and forams.
808	822	10	10'	Siltstone, dull brownish grey to medium brownish grey, fine sandy, massive, firm to locally friable, tight, no tar stains, locally very sandy, common scattered forams and fish scales, single very good 11° dip, parting (may be an attitude).
822	829			Core gap
829	847	10	10'	Siltstone, medium brownish grey and medium grey, fine sandy, massive, somewhat fractured in bottom 2' of core, scattered fish scales and forams, no tar stains.
847	870+			Core gap
870+	887	5	5'	Siltstone, medium brownish grey, massive, firm, very common to abundant fish scales and forams, very slightly fine sandy, no tar staining.
887	900	20	(7' pick up) 20'	Siltstone, dark brownish grey, massive, slightly very fine sandy, coarse silty, firm, hard, common to very common fish scales and forams, 1/2' gouge streak 6' up from bottom of core, giving good brown acetone cut, gouge reported to have shown gas when taken from core barrel, local calcareous streaks.
900	930			Core gap
930	940	10	10'	Siltstone, medium dark brownish grey, coarse grained, massive, few partings with tar stainings, one vertical unbroken parting shows tar beaded on sides of core from the parting, very common to abundant fish scales and forams, firm.
940	955	10	10'	Siltstone, medium dark brownish grey, massive, common steep-angled partings at 60-70° dip, with tar stains and 15-20° gravity oil stains on surfaces, slightly fine sandy, scattered forams and fish scales.
OVERLAP				
945	955	5	5'	Siltstone, medium brownish grey, fine sandy, massive, few partings with dead tar stain, scattered fish scales and forams.
955	996			Core gap

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996	1013	10	10'	Siltstone, medium brownish grey, fine sandy, massive, firm, abundant forams, scattered fish scales, spots of very fine sand, rare steep-angled partings.
1013	1017	4	4'	Siltstone, dark brownish grey, fine to medium grained, massive, firm, hard, calcareous, forams and fish scales, micromicaceous, local thin streaks of very fine sand in top 1' of core.
1017	1034	10	10'	Siltstone, dark brownish grey, massive, firm, hard, fine grained, fish scales common, common scattered forams, somewhat micromicaceous, poor 15° dip on common fish scales, rare tar stains, rare partings, dominately compact.
OVERLAP 1030	1037	5	5'	Siltstone, dark brownish grey, medium grained, massive, fish scales, forams.
1037	1047	10	5'	Siltstone, dark brownish grey, massive, fine to medium grained, abundant forams, common fish scales, firm, hard.
			3'	Siltstone, ditto, becoming somewhat fine sandy, abundant forams, common fish scales.
			2'	Siltstone ditto, fine sandy, somewhat coarse gritty, scattered grits, rare pebbles up to $\frac{1}{4}$ " diameter, borings filled with fine and very fine sand showing light brown oil stain, firm, common forams, scattered fish scales.
OVERLAP 1044	1071	16 $\frac{1}{2}$	16 $\frac{1}{2}$ '	Siltstone, medium dark brownish grey, slightly fine sandy, massive, fractured and parted in top 4' with tar stains, compact and hard in next 10' and very hard and laxy in bottom 2 $\frac{1}{2}$ ', scattered fish scales, very common forams, tar stains rare throughout lower 12 $\frac{1}{2}$ ', sandy and gritty with coarse grains in a $\frac{1}{2}$ ' streak 3' up from bottom of core, shows faint light brown oil staining in this sandy zone.
1071	1082	16	16'	Siltstone, medium dark brownish grey, massive, firm, hard, very abundant forams, gouge in top 1' of core, otherwise firm and massive throughout with scattered 60° dip partings, no tar stains.
1088	1100	10	10'	Siltstone, medium dark brownish grey, fine sandy, very abundant forams in flood throughout, massive, firm, rare partings with tar stains.
1100	1107			Core gap
1107	1120	6	6'	Siltstone, dark brownish grey and dark grey, fine grained, massive, firm, no fractures, abundant forams, common fish scales, small gastropods.
1120	1134	10	10'	Siltstone, dark brownish grey, massive, fractured and friable, locally hard, forams very abundant.
1134	1151	16	16'	Siltstone, dark brownish grey, massive, fractured and

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Sec. 2, 11/11/1941

1134	1151 (Cont'd)			parted, locally badly fractured, very common forams.
1151	1169	10	10'	Siltstone, dark brownish grey, massive, firm, few fractures and partings, locally very abundant forams.
1169	1171	5	(3' pick up) 5'	Siltstone, dark brownish grey, massive, fairly common fractures and partings, becomes coarse gritty and showing medium brown oil stain in lower 2' of core, borings (?), tight.
1171	1233			Core gap
<p>Note: Driller reports drilled 7' soft, and recovered 2' medium brown fine to medium oil sand in interval 1200-1235. There are a few streaks and pieces of medium brown fine to medium fairly well to well saturated oil sand in an unmarked 10' long box which the driller believes is from this interval. All other cores are correct as given by depth, except where + is used and then the depth is off only a few feet.</p>				
1233	1250	16	16'	Siltstone, dark brownish grey, massive, few partings and fractures at steep angles, tar stain.
1250	1268	16	16'	Siltstone, dark brownish grey, massive, 80° partings locally, no fractures, firm, few tar spots on sides of core.
1268	1285	16	16'	Siltstone, dark brownish grey, massive, coarse grained, no fractures, very poor horizontal (+) cleavage.
1285	1297	10	10'	Siltstone, dark brownish grey, massive, locally badly fractured and friable with very slight gasoline odor.
1297	1315	12	12'	Siltstone, dark brownish grey, massive, badly broken and fractured in top 7' of core, firm and compact in lower 5' of core, very rare tar stains, lower 5' of core shows some lime and is hard and also contains rare scattered fish scales.
1315	1337	13	13'	Siltstone, dark brownish grey, coarse grained, massive, firm, no evidence of dip, very poor horizontal (+) cleavage, fractures locally with coating of black asphaltum tar.
1337	1351			Core gap
1351	1368	10	10'	Siltstone, dark brownish grey, fairly common fractures and partings, massive, rare tar stain.
1368	1379	5 1/2	5 1/2'	Siltstone, medium brownish grey, coarse grained, very slightly very fine sandy, very rare small local spots of light dull grey very fine sand, very rare widely scattered coarse quartz grains, few streaks of silty, fine and very

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1388	1379 (Cont'd)			fine dull brownish grey sandstone in top 2' of core, firm and tight, slight petroloum odor, few fractures with dead black tarry stain and tar.
1379	1397	9	9'	Siltstone, dark brownish grey, medium grained, parted and scattered fractures with black tar stain, partings as high as 60° dip, massive.
1397	1422			Core gap
1422	1439	10	10'	Siltstone, dark brownish grey, coarse grained, fractured, badly fractured dominately.
1439	1440			Core gap
1440	1457	7	7'	Siltstone, dark brownish grey, coarse grained, broken and fractured fairly commonly, tar stains.
1457	1460			Core gap
1460	1475	10	10'	Siltstone, dark brownish grey, fractured and broken, local bad fractured zones up to 2' thick.
1475	1476			Core gap
1476	1486	9	9'	Siltstone, dark brownish grey, less coarse grained, massive, firm, fairly common fractured throughout at 50-55° dip, local common tar stains, few scattered questionable forams, no or very little sand.
OVERLAP				
1481	1495	6	6'	Siltstone, dark brownish grey, massive, fractures with black tar stain, not badly fractured in any place, fractures dip variable, as high as 50° dip.
1495	1503	10	10'	Siltstone, dark brownish grey, fractures and partings at 60°+ with very thin tar stain, massive, firm.
OVERLAP				
1502	1510	6	6'	Siltstone, dark brownish grey, medium grained, massive, firm, friable, locally from common fractures, steep-angled fractures throughout with tar staining.
1510	1519			Core gap
1519	1534	10	10'	Siltstone, medium dark brownish grey, massive, fractures with tar stain, badly fractured in top 7' of core with slight gasoline odor.
1534	1552	10	10'	Siltstone, dark brownish grey, massive, fractured, black tar stains, badly fractured in a 2' interval with top of interval 3' from top of core.
OVERLAP				
1551	1569	9	9'	Siltstone, dark brownish grey, massive, fractures common but not badly fractured in any place, <del>tar stains</del>

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Sec. 3, 12N/17W

1569	1585	5	5'	Siltstone, medium dark brownish grey, massive, fractures with black tar stain, badly fractured into 2' of core with slight gasoline odor.
1585	1602	11 $\frac{1}{2}$ '	11 $\frac{1}{2}$ '	Siltstone, dark brownish grey, massive, scattered fractures with black tar stains.
1602	1607	3	3'	Siltstone, massive, medium dark brownish grey, few fractures with black tar stain.
1607	1617	8	8'	Siltstone, dark brownish grey, massive, firm, 60° partings with tar stain on surfaces.
1617	1635	10	10'	Siltstone, dark brownish grey, massive, firm, 70° dip partings, fractures, sticky tar on fractures and parting surfaces, badly fractured in a 1' interval with top of interval 3' from top of core, slight gasoline odor in this fractured zone, bottom 6' of core has little or no fractures with occasional partings.
1635	1655			Core gap
1655	1674	10	10'	Siltstone, dark brownish grey, massive, fine to medium grained silt, very commonly fractured, black tar and dark brown 15-17° gravity oil on all fracture surfaces, local well fractured and showing tar and oil as above, no gouge, no apparent bedding, no forams or fish scales noted.
1674	1692	14	14'	Siltstone, dark brownish grey, massive, well parted and fractured throughout, very well fractured and parted in top 8' of core, black tar staining on about 70% of fracture surfaces, core would not burn but showed slight gas smell when removed from barrel.

SAMPLES:

The following samples were collected by The Superior Oil Company, and the washed material is available for examination by seeing Mr. R. B. Hutcheson, Chief Paleontologist, The Superior Oil Company, at Rio Bravo laboratory, Shafter, California.

Please do not remove any fauna from the washed material.

700+ - 735+	996 - 1013	1134 - 1151 Top 6'
730 - 745	1013 - 1017	1134 - 1151 Bottom 10'
792 - 804	1017 - 1034	1151 - 1169
804 - 808	1030 - 1037	1169 - 1171
808 - 822	1037 - 1047	1233 - 1250 Bottom 8'
829 - 847	1044 - 1071 Top 6 $\frac{1}{2}$ '	1250 - 1268 Top 8'
870+ - 887	1044 - 1071 Bottom 10'	1250 - 1268 Bottom 8'
887 - 900 Top 10'	1071 - 1088 Top 6'	1268 - 1285 Top 8'
887 - 900 Bottom 10'	1071 - 1088 Bottom 10'	1268 - 1285 Bottom 8'
930 - 940	1088 - 1100	1285 - 1297
940 - 955	1107 - 1120	1297 - 1315
945 - 955	1120 - 1134	1315 - 1337

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Sec. 3, 12U/17W

1351 - 1368	1481 - 1498
1368 - 1379	1493 - 1503
1379 - 1397	1502 - 1510
1422 - 1439	1519 - 1534
1440 - 1457	1534 - 1552
1460 - 1475	1551 - 1569
1476 - 1486	1569 - 1585

1585 - 1602
1602 - 1607
1607 - 1617
1617 - 1635
1655 - 1674
1674 - 1692

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