Form 2 7-49

STATE OF OREGON CERARTMENT OF GEOLOGY AND MINERAL INDUJIRIES 702 Woodlark Building, Portland 5, Oregon



STATE DEPT. OF GEOLOGY

Log and Core Record of Oil or Gas Well & MINERAL INDS.

(Submit in duplicate)

To comply with Chapter 365 0.L. 1949.

Field Coles Valley Operator OIL DEVELOPERS INC UNION OIL CO. OF CALIFORNIA Well No. Liles No. 1 <u>25 S</u>, R. 7 W 27 .___, Т.__ ₩.B. & M. _, Sec.__

FORMATIONS PENETRATED BY WELL

Depth to			Drilled	Drilled		
Top of formation	Bottom of formation	Thickness	or cored	Recovery	Description	
0 198 524 972	198 524 972 989	198' 326' 448' 17'	Drilled Drilled Drilled Cored	17'	Dark gray shale with a few thin streaks of siltstone. Shale is moderately cement-	
				•	ed with calcareous material. Equigran- ular contains mica. Dip equals 30° (+ 4° hole drift) <u>HIGHLY</u> fractured and slickensided in random manner except fracture planes tend to be steep.	
989 1520	1520 1550	531' 30'	Drilled Cored	301	Dark gray shale with a few thin streaks of siltstone. Shale is moderately well cemented with calcareous cement. Equi- granular has some thin lines through the shale resembling worm borings. Contains mica. This core is only slightly frac- tured and slickensided. Dip ranges from 26° to 35°. Average 30°. No cut or odor to the siltstones.	
1550 2317	2317 2334	767' 17'	Drilled Cored	1'	Recovered approx. 1' badly broken form- ation. Composed chiefly of Dark gray shale with streaks of siltstone. Moder- ately cemented. No reliable dips, but some pieces show very steep dips.	
2334 2382	2382 2414	481 321	Drilled Cored	301	Some preces show very secep dips. Shale with streaks of siltstone. Shale is equigranular dark gray, moderately cemented. Siltstone is med. gray, equi- granular, moderately well cemented. Streaked with dark layers containing dark minerals. Dip - 72° average. No cut or odor.	
2414 2477 2900	2477 2900 2915	63' 423' 15'	Drilled Drilled Cored	2_1/2	' Shale with a streak of siltstone. Top 2' is dark gray shale bottom 6" is very well cemented siltstone with a seam of calcite. Core is fractured in a couple places parallel to the bedding and slick- ensided and the cracks filled with cal- cite. Dip - 22°. The siltstone has one 1/4" calcite seam on top and one on bottom.	

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RECEIVE

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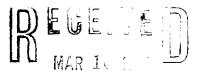
(Submit in duplicate)

To comply with Chapter 365 0.L. 1949.

Operator	OIL DEVELOPERS, INC.	Field Coles Valley	
operator	UNION OIL CO. OF CALIFORNIA		
Well No	Liles No. 1	_, Sec,, T, R / W	L.В. & М.

FORMATIONS PENETRATED BY WELL

Depth to			Drilled	D ========	Description	
Top of formation	Bottom of formation	Thickness	or cored	Recovery		
2915 3391	33 91 3414	476' 23'	Drilled Cored	10'	Gray shale with thin streaks of siltstone and two 8" beds of coarse grained well cemented sandstone. Shale is fractured and slickensided, equigranular moderately cemented. Siltstone is streaked. Dips average 6° to 10° (range from flat to 20°) Sands are poorly sorted contain some green- ish minerals. Contain some large particles of shale. Sands have no odor but have faint oil outs with ableroform	
3414	3721	3071	Drilled		faint oil cuts with chloroform.	
3721	3727	61	Cored	6'	Shale with a couple thin streaks of silt- stone about 1" thick. Shale is equigran- ular, moderately cemented. Siltstone is streaked with dark shale but reasonable well sorted. Average dip - 24°; shale breaks easily but apparently not slicken- sided badly.	
3727 4477	4477 4492	750' 15'	Drilled Cored	13'	Top 3' is shale - dark gray, equigranular, moderately well cemented. Fractured and slickensided. Contains much mineralized "sea weed" material. Has some thin silty streaks. Then below the shale is 6" of siltstone with thin laminations of shale well cemented. Then 2' of shale as above. Then 3' of fine grained silty sandstone, poorly sorted particles average 0.4 mm in diameter. Sandstone is composed chiefly of basalt particles, quartz and some weathered feldspars. Sandstone is well cemented. Has many laminations of shale (slickensided). <u>Has faint cut</u> with carbon tet. No odor. Then 4-1/2' shale with streaks of siltstone, slickensided. Aver-	
4492	4945	453	Drilled		age Dip for core is 20°.	



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LOG AND CORE RECORD OF OIL OR GAS WELL (Submit in duplicate)

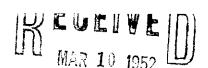
To comply with Chapter 365 O.L. 1949.

Operator	OIL DEVELOPERS, INC.		Field	Coles Val	ley	
	UNION OIL CO. OF CALIFORNIA					
Well No	Liles No. 1,	Sec.	<u> 27 </u> , T	<u>25 S</u> , R.	<u>7 W</u>	W.B. & M.

FORMATIONS PENETRATED BY WELL

Depth to			Drilled		
Top of	Fottom of	Thickness	or cored	Recovery	Description
formation	formation				
4945	4969	241	Cored	21	A hard piece of siltstone was wedged in core head apparently preventing more formation from entering core barrel. Pieces of formation in barrel were prac- tically all dark gray shale with a few
49 69	5452	4831	Drilled		chips of siltstone.
5452	5470	18'	Cored	61	Dark gray shale, moderately poorly cement- ed. Has two 6" streaks of siltstone. Core is very badly fractured and slicken- sided. No reliable dips because of frac- turing. Dip apparently 60°. Evidently core is from a faulted or disturbed zone.
5470	6018	5481	Irilled		
6018	6032	14')	Cored	14'	Core was all shale with only a few lamina- tions of siltstone. Shale is well cement- ed and sorted. Contains markings resemb- ling seaweed or small worm borings. Fractically no slickensides. Dips average 50°.
6032	6383	351'	Drilled		
6383	6401	18' 265'	Cored	7'	Fractured shale with streaks of siltstone. Top 6" of core is hard laminated siltstone, then below this is 1' of fractured and slickensided dark gray shale, then 6" of very hard, fine grained gray sandstone, then 4' of fractured and slickensided dark gray shale, moderately well cemented. Has some calcite seams or veinlets. Bottom 1' of core is hard siltstone. Dip is 40°.
•401 6666	6688	221	Cored	18'	Dark gray shale with thin streaks and laminations of siltstone. Shale is mod- erately well cemented. Shale has many markings resembling seaweed impressions. Siltstone is well cemented and composes about 20% of core. Core has a few slick- ensides. Average dip is 18°.

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OperatorOIL DEVELOPERS, INC.FieldColes ValleyUNION CIL CO. OF CALIFORNIAWell No.Liles No. 1, Sec.27, T.25 S, R., W.E.&M.

FORMATIONS PENETRATED BY WELL

Deptl			Drilled		
Top of formation	Bottom of formation	Thickness	or cored	Recovery	Description
6688	6709	21'	Cored	51	Dark gray shale with thin streaks and laminations of siltstone. Shale is mod- erately well cemented and has a few "seaweed" markings. Siltstone comprises about 30% of core and is well cemented. No slickensides. Average dip is 17°.
6709 6986	6986 6994	277' 8'	Drilled Cored	41	Top 2' was broken shale and siltstone, probably not representative of cored interval. Bottom 2' was dark gray shale, very badly fractured and slickensided to point of being friable. No dips.
6994	6999	5'	Cored	21	All dark gray shale very badly fractured and slickensided. No dips.