

GEOLOGICAL REPORT

Vess Oil Corporation Production Dept.
 Enyart A #115 File Copy

530' FSL & 2110' FWL Section 12-T26S-R4E

Butler County, Kansas

COMMENCED: 11-01-11	STATUS: Oil
COMPLETED: 11-06-11	A.P.I. #: 15-015-23922
CONTRACTOR: C & G Drilling, Inc.	OPERATOR LIC.: 5030
SIZE OF HOLE: 7 7/8"	FIELD: El Dorado
SURFACE PIPE: 8 5/8"	ELEVATION: 1391 K.B.
CEMENTED WITH: 165 sacks	LOGS: CNL/CDL, DIL, MEL
LONG STRING: 5 1/2"	MUD SYSTEM: Chemical
CEMENTED WITH: N/A	OTHER:
R.T.D.: 2465'	

Will M. Stark

FORMATION TOPS

1243 G.L. 1269 K.B.

	Sample	Log
Heebner	1435 -44	1436 -45
Iatan	1607 -216	1609 -218
Lansing	1700 -309	1702 -311
Kansas City	1994 -603	1997 -606
Altamont	2270 -879	2272 -881
Cherokee	2353 -962	2355 -964
Arbuckle	2437 -1021	2437 -1046
Total Depth	2465 -1074	2465 -1074

SAMPLE SHOW DESCRIPTIONS

Iatan 1607' (-216)

1610' - 1614'

Limestone - brown, fine to medium crystalline, dense, faint odor, scattered brown stain, trace live oil, scattered intercrystalline porosity with fluorescence.

1656' - 1661'

Limestone - brown, fine crystalline, oolitic, some argillaceous, cherty in part, faint odor, brown stain, slight show free oil with gas bubbles - dark brown, scattered oolcastic porosity with fluorescence.

Kansas City 1994' (-603)

2006' - 2011'

Limestone - light brown, fine crystalline, dense, fossiliferous, scattered large crystals, faint odor, very light stain, slight show free oil, scattered intercrystalline porosity with fluorescence.

Arbuckle 2437' (-1046)

2437' - 2448'

Dolomite - light brown, brown, fine to medium crystalline, dense in part, some

Limestone - light brown, fine crystalline, dense, fossiliferous, scattered large crystals, faint odor, very light stain, slight show free oil, scattered intercrystalline porosity with fluorescence.

Arbuckle 2437' (-1046)
2437' - 2448'

Dolomite - light brown, brown, fine to medium crystalline, dense in part, some sucrosic, good odor, brown stain, good show free oil, good fluorescence, intercrystalline porosity, with some chert, white, opaque. Covered by DST #1.

DST #1 2420' - 2448'

Open tool 30 min. with very weak surface blow. Close tool 45 min. Open tool 45 min. with no blow for 32 min. then very weak surface blow. Close tool 60 min. Recovered 3 feet clean free oil, 27 feet oil cut mud (20% oil, 80% mud), 60 feet gas in pipe.

IFP 42 - 49# FFP 51 - 56#
SIP 781 - 721#
HP 1210 - 1196#
Temp. 99 degrees

2449' - 2465'

Dolomite - light brown, brown, fine to medium crystalline, dense, cherty some weathered, good odor, brown stain, good show free oil, good fluorescence, scattered intercrystalline porosity. Covered by DST #2.

DST #2 2448' - 2465'

Open tool 30 min. with very weak surface blow. Close tool 45 min. Open tool 45 min. with no blow for 26 min. then very weak surface blow. Close tool 60 min. Recovered 40 feet clean free oil - 38 degree corrected, 20 feet oil cut mud (35% oil, 65% mud), 60 feet gas in pipe.

IFP 36 - 43# FFP 44 - 57#
SIP 906 - 907#
HP 1221 - 1203#
Temp. 99 degrees

CONCLUSIONS

The decision was made to set 5 1/2" casing to further evaluate the shows of oil through perforations.

686-3521

LOG TIME IN MINUTES PER FOOT if Penetration Decreases		DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
		1400		15-11. Ben. F. Y. Fos. Dns. N.S. Nug of sil. ss. Res. 15-11. Ben. F. Y. Fos. N.S. SCAT EXR 54- Ben. Carb. Dreg w/ 150 RA.		G.L. 1305 K.B. 1391 TRIP BIT @ 1401 HEBNER 1435 (-44)

HIEBNER
1435 (-44)

DOUGLAS
1471 (-80)

IATAN
1607 (-216)

15-M. BEN. F.Y. FOS. N.S. SCAT CKB	SA-BUC CARB. DRG. OF KS-NA.	SA-BY ALBY RDO.	15-M. BEN. WITH F.Y. N. FOS. S/DRG. N.S. F. EX B	15-M.	SA-BY CON. 3/504	SA-BY 5/24 SBY	15-M. F.Y. DNS. DEC. N.S. N/S	SA-BY GEN	SA-BY DRG. CON. 1/504	SA-NA.	SA-BY DRG. 3/50. BY F.E. DRG. CHG. N.C. N.S. P/B	SA-BY 55-DR.	SA-NA.	15-M. F.Y. N-X DRG. F. OPP. SCAT PEN STAL. PA. DRG. - H/BR W/HZUC.	SA-BY DRG.	SA-DRG. BY GEN. SBY.	SA-H-67. 167. SBY.	SA-NA.	15-M. BEN. F.Y. DRG. S/DRG. CHG. UP. DRG. OF F. DRG. DRG. SA 55 F. DRG. N.S. SCAT DRG. DRG. W/HZUC.	SA-BY DRG. 5/504
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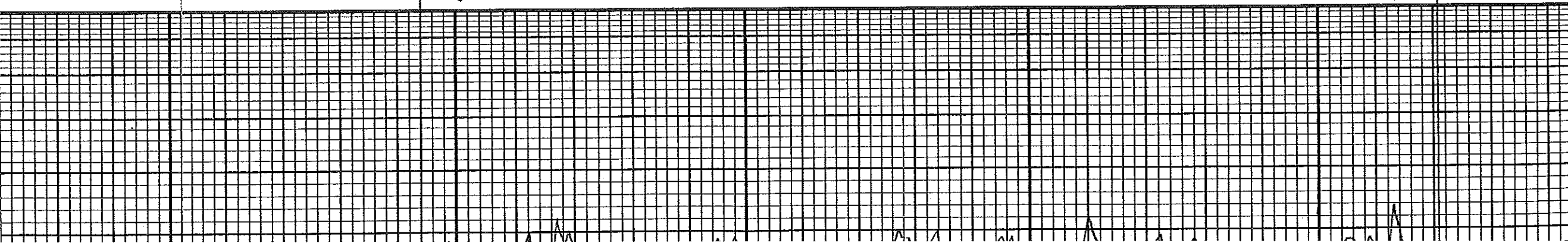
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1500

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1600

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512-AA	
512-AY	
512-AA	
SA-AA to LS-BEN. F.X. Fos. DMS. NS. NUP	
LS-BEN by F.X. Fos. DMS. AA. NS. NUP	
LS-L. BEN. F.X. DMS. Fos. SEAT L.A. APAS, F.I. CODE, NYLT. SPAN 5/20 SEAT (DMS) FRANCE. 20%	
LS-L. BEN. H.G. F.X. Fos. S/DMS. ENJOY CAROL NS. P.P. NUP BY	
LS-L. BEN. F.X. Fos. S/DMS LMS NS. R. CTX	
LS-AA w/ S/DMS	
LS-L. BEN. H.G. F.X. Fos. DMS CHRY. NS. SEAT LMS	
LS-L. BEN. H.G. F.X. CAROL Fos. 5/29 HACS. NS. F.X.	
LS-L. BEN. H.G. F.X. Fos. CHRY. NS. SEAT LMS	
LS-AA w/ SAH-27 DK by	
LS-L. BEN. H.G. Ben. F.X. Fos. DMS. NS. NUP	
SA by DK G. BUCCARIA.	
LS-L. BEN. F.X. CAROL S/DMS. NS. SEAT P. I. & LMS.	
SA-REC CARB.	
LS-BEN by F.X. Fos. DMS. S/CAO CHRY NS. NUP N/SAH BY DK G.	
LS-BEN by F.X. UNFOS. S/DMS. S/CAO SEAT P. I. & LMS. P.P. BY	
SA DK G. by N/LS-AA.	
SA DK G. by CAROL. FAN SA SAH.	
SA DK G. by BEN S/DMS.	

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2000

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2100

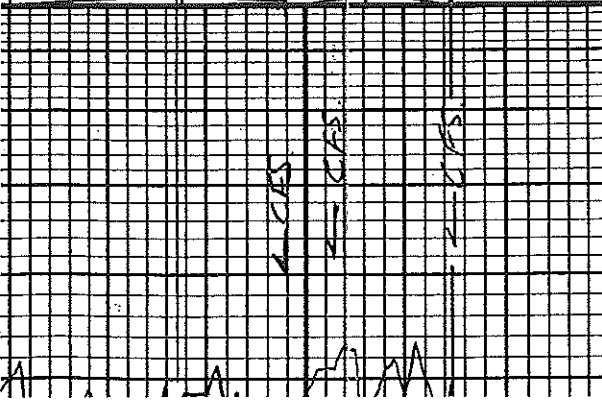
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KANSAS CITY
1994 (-603)

Vis. 36
WH. 9.1
2# CC.M.

6:00 AM 11-9-11

BASE KANSAS CITY
2171 (-730)



DST #1

50
DST #2

1	1	15-11 w/SM-G ISUC CAN.
-	-	15-12 TRUCK RENC. F.Y. DMS FOR
-	-	11'S. w/ SIB & BEL 7' CR. W/ HTR.
1	1	C.H. 2 1/2' TAN OPA. FINE GR. W/ S.H.
-	-	64' GR. 3/4" 1/5" AB.
1	1	DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	SCAT. 2 1/2" SIB 5' CR. 2' GR. W/ HTR.
1	1	12' GR. F.M. X 3' SIB. 60' OPA. DMS. 10' 1/2" OVAL
1	1	13' GR. 5' 1/2" SIB 5' CR. 2' GR. W/ HTR.
1	1	14' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	15' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	16' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	17' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	18' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	19' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	20' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	21' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	22' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	23' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	24' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	25' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	26' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	27' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	28' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	29' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	30' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	31' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	32' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	33' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	34' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	35' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	36' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	37' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	38' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	39' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	40' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	41' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	42' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	43' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	44' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	45' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	46' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	47' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	48' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	49' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	50' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	51' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	52' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	53' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	54' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	55' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	56' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	57' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	58' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	59' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	60' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	61' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	62' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	63' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	64' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	65' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	66' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	67' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	68' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	69' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	70' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	71' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	72' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	73' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	74' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	75' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	76' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	77' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	78' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	79' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL
1	1	80' DOL. L. BRON. BR. F.Y. DMS. 5' 1/2" OVAL

DST #1 RESULTS IN
SAMPLE DESCRIPTIONS
ARBUCKLE
2437 (-1016)
BACK DELI. AFTER
DST #1 5:30 PM
1/5-11
DST #2 RESULTS IN
SAMPLE DESCRIPTIONS
R.T.D.
2465 (-1074)