

GEOLOGICAL REPORT

Vess Oil Corporation

Wilson A #443

2050' FSL & 2640' FWL Section 9-T25S-R5E

Butler County, Kansas

COMMENCED: 11-09-11	STATUS: Oil
COMPLETED: 11-13-11	A.P.I. #: 15-015-23921
CONTRACTOR: C & G Drilling , Inc.	OPERATOR LIC.: 5030
SIZE OF HOLE: 7 7/8"	FIELD: El Dorado
SURFACE PIPE: 8 5/8"	ELEVATION: 1371 K.B.
CEMENTED WITH: N/A	LOGS: CNL/CDL, DIL, MEL
LONG STRING: 5 1/2"	MUD SYSTEM: Chemical
CEMENTED WITH: N/A	OTHER:
R.T.D.: 2469'	

William M. Stout
11-14-11

William M. Stout

Production Dept.
File Copy

FORMATION TOPS

1365 G.L. 1371 K.B.

	Sample	Log
Admire '550'	559 +812	561 +810
Burlingame	832 +539	834 +537
Topeka	1087 +284	1088 +283
Heebner	1430 -59	1431 -60
Lansing	1714 -343	1715 -344
Kansas City	1989 -618	1990 -619
Hepler	2236 -856	2233 -853
Cherokee	2352 -981	2352 -981
Viola	2467 -1096	NDE
Total Depth	2469 -1098	2469 -1098

SAMPLE SHOW DESCRIPTIONS

Admire 559' (+812)
568' - 578'
Sandstone - gray, fine grain, argillaceous, micaceous, some brown stain, slight show free oil, poor porosity, fair fluorescence.

White Cloud 921' (+450)
931' - 948'
Sandstone - light brown, fine grain, micaceous, calcareous, argillaceous, no odor, light stain, no show free oil, poor porosity, scattered fluorescence.

Douglas Sand 1491' (-120)
1491' - 1506'
Sandstone - light gray, fine grain, calcareous, some argillaceous, faint odor, scattered stain, slight show free oil, poor porosity, scattered fluorescence.

Lansing 1714' (-343)
1752' - 1760'
Limestone - light brown, brown, fine to medium crystalline, fossiliferous, some

1491' - 1506'

Sandstone - light gray, fine grain, calcareous, some argillaceous, faint odor, scattered stain, slight show free oil, poor porosity, scattered fluorescence.

Lansing 1714' (-343)

1752' - 1760'

Limestone - light brown, brown, fine to medium crystalline, fossiliferous, some cherty, chalky, scattered large calcite crystals, fair odor, scattered stain, show free oil with gas bubbles, scattered intercrystalline and vugular porosity, dull fluorescence.

Kansas City 1989' (-618)

2000' - 2010'

Limestone - light brown, light gray, fine to medium crystalline, some dense, fossiliferous, faint odor, scattered stain, very slight show free oil, scattered intercrystalline porosity with fluorescence.

Hepler Sand 2236' (-865)

2236' - 2261'

Sandstone - light green to light brown, fine grain, calcareous, argillaceous, plenty of loose grains, good odor, brown stain, show free oil, fair porosity, good fluorescence.

Viola 2467' (-1096)

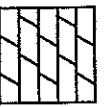
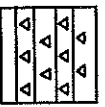
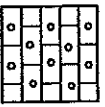
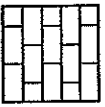
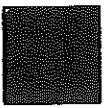
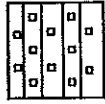
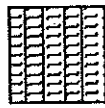
2467' - 2469'

Dolomite - light brown, fine crystalline, sucrosic, friable, strong odor, saturated brown stain, good show free oil with gas bubbles, good fluorescence, intercrystalline porosity, with some dolomite, gray, dense, and chert, white, gray.

CONCLUSIONS

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

LEGEND



Anhydrite

Salt

Sandstone

Shale

Carb sh

Limestone

Ool. Lime

Chert

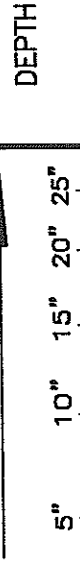
Dolomite

DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
500				
		LS. H. G. 11.3 Bu. F.Y. Foss. of REG. N.S. No. 4 w/ Sand G. Con.		
		LS. G. 11. G. F.Y. Foss. 3/ P.D. REG. N.S. No. 4		
		S.P. G. SAY		
		S.H. AA.		
		S.H. AA. w/ LS. sh. G. F.Y. Foss. of REG. N.S. No. 4		
		S.H. H. G. G. SAN. w/ Ke. 1. F. 1		
				SHALLOW ADWARE 559 (7812)

LING TIME IN MINUTES

PER FOOT

of Penetration Decreases



GL 1365
K.B 1371

SHALLOW ADMIRAL
559 (4812)

ADMIRAL ZONE
688 (4683)

SA-RA w/LS-11.6 by F-X. FOS. DNS
SA-11.6 by SAJ w/55-64 F-6
REG. MILA. AL. EDOR. BEN STRY
SSFO P.P. P. FR. FLOR. 18-2004
SA-ACKY by
LS-11.6 F-X DNS. REG. NS.
HQB w/SAJ by
LS-64 F-X FOS. DNS. N.S. NVG
SA-64 by GRAN.
SA-64 GRAN. 1/2 LACK. SOY. N. R.
SA-ACKY by GRAN.
SA-NA w/3/LS. DEN. by F-X. DNS.
FOS. NS. NVG
SA-64 GRAN. 3/64 w/LS. NA.
SA-64 by GRAN. R. A.
SA-NA-64 by SAJ. MICH. NS.
SA-64 GRAN. R. A.
SA-NA w/3/64 SAJ. MICH. SOFT.
NS.
SA-NA.
LS-64 F-X FOS. DNS. NS. NVG
LS-NA w/SAJ by GRAN.
SA-64 ACKY GRAN.
LS-NA. GRAN. F-X. FOS. ST. CHY
DNS. M.P.E. NS. NVG w/SAJ.
LS-NA w/SAJ by GRAN.
SA-ACKY by w/5/LS. H. by F-X
DNS. NS. NVG
SA-LS-RA.
LS-64 by F-X. DNS. FOS. NS.
NS. NVG w/SAJ. DEN. by GRAN.
LS-64. GRAN. F-X. FOS. DNS.
NS. NVG w/SAJ by GRAN.
LS-64. GRAN.
SA-64.

600

50

700

50

800

BURLINGAME
832 (+539)

7:60 AM 11-10-11

WHITE CLOUD
921 (+450)

SAND
931 (+440)

HOWARD
973 (+398)

LS: S.W. GP.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY.	LS: M. BEN. FOR. W/STAY BY GEN.
SA: AKG N/S. A. BEN. F.X. FOR. A.M.S. N.S. NUP	LS: M. BEN. FOR. W/STAY BY GEN.
LS: A. BEN. F.X. FOR. S/CHIKY N.S. ENP	LS: M. BEN. FOR. W/STAY BY GEN.
LS: M. BEN. FOR. W/STAY BY GEN. FOR. S/CHIKY N.S. P.D.X.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY. DE GY.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY N/S/LS. BEN. F.X. FOR. D.P. N.S. NUP	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY GEN CONC.	LS: M. BEN. FOR. W/STAY BY GEN.
SAT. AA.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY DE GY 2/5 AY.	LS: M. BEN. FOR. W/STAY BY GEN.
LS: A. BEN. F.X. FOR. D.P. DE. N.U. 4	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY DE GY	LS: M. BEN. FOR. W/STAY BY GEN.
SN: AA. N/S/LS. CHIKY F.G. NUP & M.C. ARG. A.P. D.P. A.M.S. N.S. NUP	LS: M. BEN. FOR. W/STAY BY GEN.
SN: AA. N/S/LS. AA. N/S/LS. F.G.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY N/S/LS.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: AA. DE KAZ. AA.	LS: M. BEN. FOR. W/STAY BY GEN.
LS: L.G. DE BEN. BEN. F.X. FOR. A.M.S. N.S. NUP	LS: M. BEN. FOR. W/STAY BY GEN.
LS: AA. N/S/LS.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY N/S/LS.	LS: M. BEN. FOR. W/STAY BY GEN.
LS: A. BEN. F.X. FOR. UNP.D.F. N.S. NUP 4	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY W/STAY BY GEN. S/LS. AA.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY DE GY	LS: M. BEN. FOR. W/STAY BY GEN.
LS: M. BEN. F.X. FOR. UNP.D.F. NUP W/STAY BY GEN.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY S/GEN.	LS: M. BEN. FOR. W/STAY BY GEN.
SN: GY N/S/LS.	LS: M. BEN. FOR. W/STAY BY GEN.

50

900

50

1000

50

TOPEKA
1087 (7284)

SA G 5/6w.	SA G NK 5/3/504	LS-LI. BEN. LAG. F.X. STANS. FOR. REG. W/REG. N.S. NUP	LS-AA N/BORAC T ER O MS.	LS-LI. BEN. PAN. F.X. FOR. STANS. N.S. NUP w/SA G.	SN G 5/6w.	LS-BEN. G. AT G. FOR. FOR. STANS. 5/1868 REG. N.S.	LS-LI. BEN. PAN. F.X. FOR. STANS. N.S. NUP w/SA G.	SA G GEN. SER. 504	LS-LI. BEN. PAN. F.X. DUS. FOR. N.S. NUP w/SA G. IN 5/BEL CARR.	LS-AA w/3/11 G. BEN.	LS-LI. BEN. HAG. F.X. FOR. CARR.	SA G GEN. U/SS. K. GEN. F.G. REG. CARR. N.S. NUP	LS-LI. BEN. F.X. FOR. STANS. N.S. K.P. EXP.	SA G 64	LS-LI. BEN. PAN. F.X. FOR. STANS. FOR. CARR. W/REG. N.S. NUP	SA G w/ 67 w/LS-AA	SA G 67 64 5/504	SA-AA	LS-LI. BEN. F.X. FOR. STANS. FOR. STANS. N.S.	SA REG. BUR. CARR.	LS-LI. BEN. F.X. FOR. STANS. FOR. CARR. N.S. NUP	LS-LI. BEN. F.X. FOR. STANS. SCAR EX 8
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1100

50

1200

50

1300

1600

50

1760

50

1800

SA-Gy Dktg 5/5AY

SA-AA

SA-AA

LS-11 BEN. BRN F-X DWS. POS.
NS. NUP W/5A-AR

SA-Gy Dktg 0/5AY

SS-Gy FG. CMC. MICA N6-
NS NUP W/5A-G

LS-BEN LL. BEN. F-X DWS. POS.
NS. NUP W/5A-AR

LS-11. BEN. F-X DWS. POS.
NS. NUP W/5A-AR
DWS. POS. BRN STN. NUP
SA-Gy Dktg

SA-Gy Dktg

SA-AA

SA-Gy Dktg

LS-11. BEN. BRN. F-X DWS. POS.
NS. NUP W/5A-AR

LS-11. BEN. BRN. F-X DWS. POS.
NS. NUP W/5A-AR

LS-AA W/5A G

LS-BEN. TAD. F-UF. DWS.
NS. NUP W/5A-AR

LS-11. BEN. BRN. F-X DWS. POS.
NS. NUP W/5A-AR

LS-AA. 5/DNS.

LS-11. BEN. BRN. F-X DWS. POS.
NS. NUP W/5A-AR

LS-AA

LS-11. BEN. BRN. F-X DWS. POS.
NS. NUP W/5A-AR

LS-AA

HASKELL
1612 (-241)

7:00 AM 11-11-11

LAUSING
1714 (-343)

BANNER SPRINGS
1841 (-470)

LS-AA

LS-LL BEN. LG F-X FOS. AREA
ANI. W.S. NUP

LS-AA W/SA LG

SA-LL LG LG CALL. NR.

SA-AA

SA LG M-67 CALL.

SA-AA

SA LG CALL. NR.

SA-AA

SA-AA

SA LG

LS-BEN. LG F-X DNS. FOS.
N.S. NUP

LS-LL BEN. LG F-M-X FOS.
S/ANS. F.A. DPG. SCAT STN.
VSS F.O. SCAT IXR W/ FAVOR
80%

LS-LL BEN. F-Y FOS. DNS. CALLY
N.S. NUP

LS-LL BEN. F-X FOS. CALLY
N.S. SCAT RXP

LS-AA

LS-BEN. LL-BEN. F-X FOS. DNS.
S/ANS. N.S. NUP w/5/SA LG

LS-LL BEN. F-X FOS. CALLY N.S.
PIX

LS-LL BEN. LL LG F-X FOS. DNS.
CALLY SCAT COURT XRE.
N.S. NUP

LS-LL BEN. LG F-X FOS. DNS.
CALLY N.S. NUP

LS LG LL BEN. F-M-X FOS. DNS.

50

1900

50

2000

50

KANSAS CITY
1989 (-618)

2100

AS Lt. BROWN, Lt. GY F-X FOS. DMS. CASI SEAT COURSE XERO. NS. NU 94

AS Lt. BROWN, GY F-X FOS. STARS CASEY NS. NU 94

AS GY Lt. BROWN, F. M. X FOS. STARS N. 6000 CP. Lt. STAN. NU 5 F. 0 THE EXP. OF FAVOR. 5%

SN-BEC CARB. DKG.

AS Lt. BROWN, Lt. GY F-X. FOS. DMS. CASEY NS. NU 94

AS-BROWN, GY F-X. DMS. FOS. CASEY NS. NU 94

AS-BROWN, GY F-X. FOS. DMS. STARS NS. NU 94

SN-GY W/SS. Lt. GY G-G REC. CASEY NS. NU 94

AS-BROWN, Lt. BROWN, F-X DMS. FOS STARS. Lt. DAVIS. NS. NU 94

50

70

BASE KANSAS CITY
215 (-780)

7:00 AM 11-12-11

2200

SN-DKG GY

SN-AA 1/504

SPRINGS W/SS-G F-G. M. L. A. NS. NU 94

SS-Lt. BROWN, FIVE MIA. CASEY NS. 1 PG W/SUB GY.

SS-504-004

SN-DKG GY 24 504

AS Lt. BROWN, BROWN, Lt. BROWN V-F. F-X FOS. STARS. Lt. DAVIS. NS. NU 94

SN-GY, GRN. W/SS-16. 504. F. G. BROWN STARS. Lt. DAVIS. NS. 62-60. 0000.

AS STAN. SEPT. 1975. NS. 94

SS-AA W/IRBAND LOOSE. CASEY NS. 94

SS-Lt. BROWN, Lt. BROWN, F-X. CASEY NS. 94

PHENYL LOOSE. CASEY NS. 94

6000. 0000. STARS. Lt. DAVIS. NS. 94

W/FLUOR.

50

CHECKERBOARD
222 (-850)

HEPLER SAND
2236 (-865)

ACTAMONT
2270 (-899)

2300

D-BROWN, Lt. BROWN, F-V VY FOS. DMS. CASEY, NS. NU 94

AS-AA W/SS-16. 504. NS. 94

SN-GY GRN.

SN-GY, GRN. BIC.

AS-Lt. GY F-X. FOS. DMS. CASEY NS. NU 94

AS-GY. Lt. BROWN, F-X. DMS. CASEY. FENNER. NS. 94

50

2420

50

1-1	15-LTG F.X. FA DMS/CALG NS. NO. 9
1-1	15-GY. LH BEN. F.X. DMS CALG. FENFAS. N.S. NUGA/S46
1-1	SN-RECORDS N/LS-M
1-1	15-GY. BEN. LH BEN. V.F. F.X. DMS FENFAS. 821. CNF. N.S. AUG
1-1	15 BEN. V.F. X. DMS. FENFAS. N.S. AUG 12/57 SET CARD
1-1	SN-6 BEN. S46
1-1	SN-6 GEN. S/56
1-1	SN-84
1-1	SN-266 GEN. 67 GEN.
1-1	SN-105/CALG.
1-1	SN-DRG GEN.
1-1	15-DEN. GY. V.F. X. DMS BOS. 5/1 CNF. N.S. AUG W/ 5/57 M. 12.12. CARB.
1-1	SN-Gen. GY. RED AMBER.
1-1	SN-AA SN-VARICOLORA S/124
1-1	SN-M/15. H. BEN. AMBER/NOG. DMS. NS. DDP
1-1	SN-BEN. EARLY GY S/M. 12/57. M. SN-BEN. CARB GY GEN. 2002
1-1	Del. H. Ben. F.X. SVL. FELIASIS DMS. 10/17. 12/57. G.F. FENFAS. LXG 1/100 GY DMS. 12/57. 12/57. WHT. LH. 7
1-1	SN-120 COGN SN-120 COGN

CNEROKEE
2352 (-981)

HESMORE
2415 (-1044)
V/D 46
WT: 9.3
2# LCM

VIOLA
2467 (-1096)
RTD
2469 (-1098)