

DARRAH OIL

Scale 1:240 Imperial

Well Name:	#5 Ray B	
Surface Location:	990' FNL 990' FWL SE/NW/NW	
Bottom Location:		
API:	15-147-20734	
License Number:	5088	
Spud Date:	3/15/2014	Time: 2:50 PM
Region:	Phillips County	Sec 32 T5S R20W
Drilling Completed:	3/19/2014	Time: 4:00 PM
Surface Coordinates:		
Bottom Hole Coordinates:		
Ground Elevation:	2194.00ft	
K.B. Elevation:	2199.00ft	
Logged Interval:	3100.00ft	To: 3588.00ft
Total Depth:	3588.00ft	
Formation:	Reagan sand	
Drilling Fluid Type:	Chemical mud	

SURFACE CO-ORDINATES

Well Type:	Vertical	
Longitude:	-99.6052286	Latitude: 39.5791880
N/S Co-ord:		
E/W Co-ord:		

OPERATOR

Company:	Darrah Oil Company	
Address:	225 N. Market Suite #300	
	Wichita, KS 67202	
Contact Geologist:	Seth L. Evenson	
Contact Phone Nbr:	(316) 219-3390	
Well Name:	#5 Ray B	
Location:	990' FNL 990' FWL SE/NW/NW	API: 15-147-20734
Pool:		Field: Ray
State:	Kansas	Country: United States

CONTRACTOR

Contractor:	Mallard J.V.	
Rig #:		
Rig Type:	Standard double	
Spud Date:	3/15/2014	Time: 2:50 PM
TD Date:	3/19/2014	Time: 4:00 PM
Rig Release:	3/20/2014	Time: 3:15 AM

LOGGED BY

Company:	Darrah Oil Co.	
Address:	225 N. Market Suite #300	
	Wichita, KS 67202	
Phone Nbr:	(316) 219-3390	
Logged By:	Geologist	Name: Seth L. Evenson

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8 5/8 in	218 ft	20#	5	3/16/2014 4:45 AM
Int Casing					
Prod Casing	5.5 in	3585 ft	14#	86	
CASING SEQUENCE					
Type		Hole Size	Casing Size	At	
		0.00 in	0.00	0.00 ft	

NOTES

No open-hole logs or DST's ran

ROCK TYPES



Anhyprim



Coal



Dolprim



Lmst fw<7



Lmst fw>7



Mrlstcalc



Ss



Shgy



Shblk



Shcol



Dol Lime



Ool grnst

ACCESSORIES

MINERAL

P Pyrite

• Sandy

△ Chert White

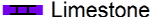
FOSSIL

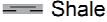
⊙ Crinoids

⊙ Gastropods

⊙ Oolites

STRINGER

 Limestone

 Shale

OTHER SYMBOLS

OIL SHOWS

● Even Stn

● Spotted Stn 50 - 75 %

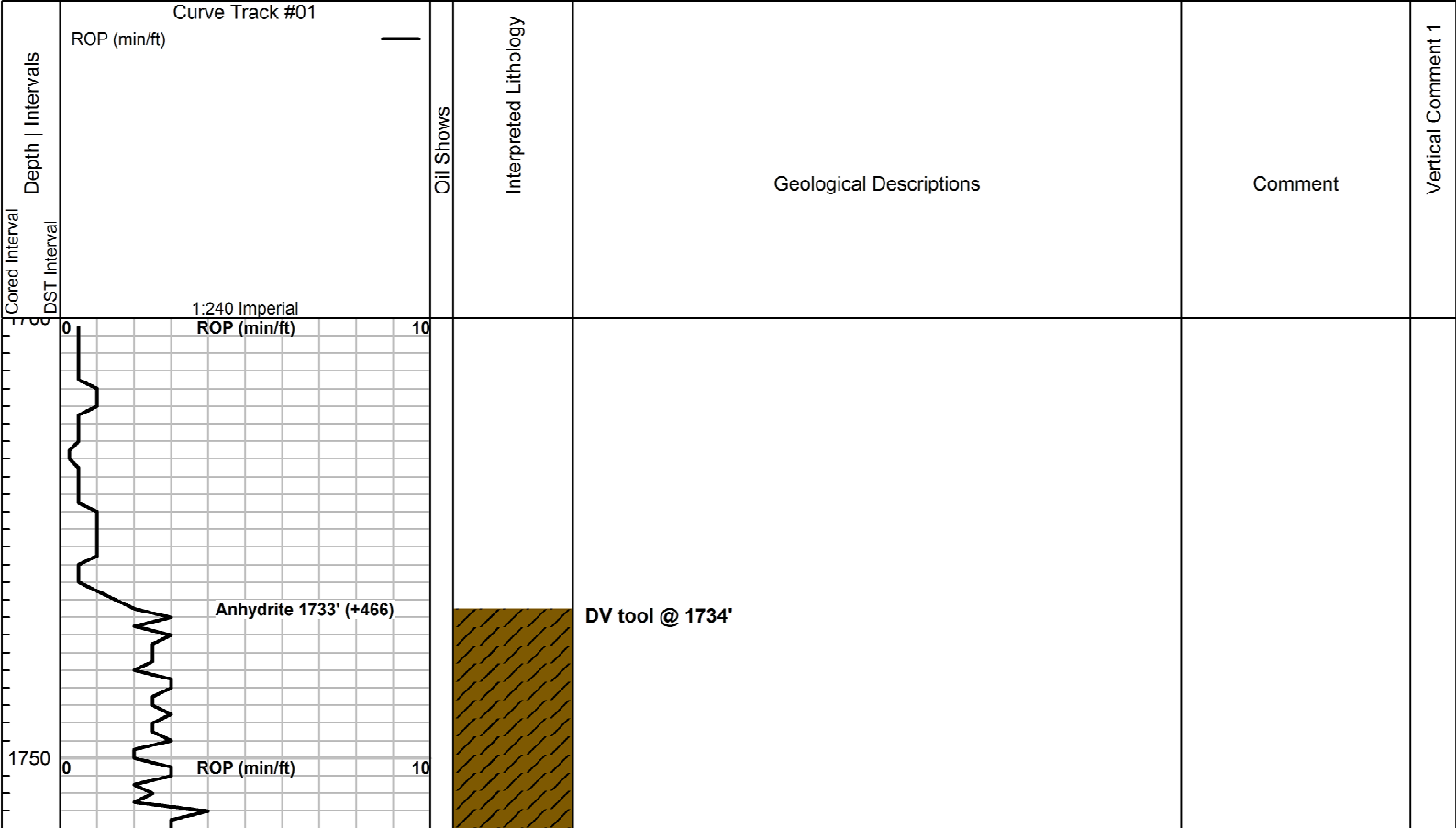
● Spotted Stn 25 - 50 %

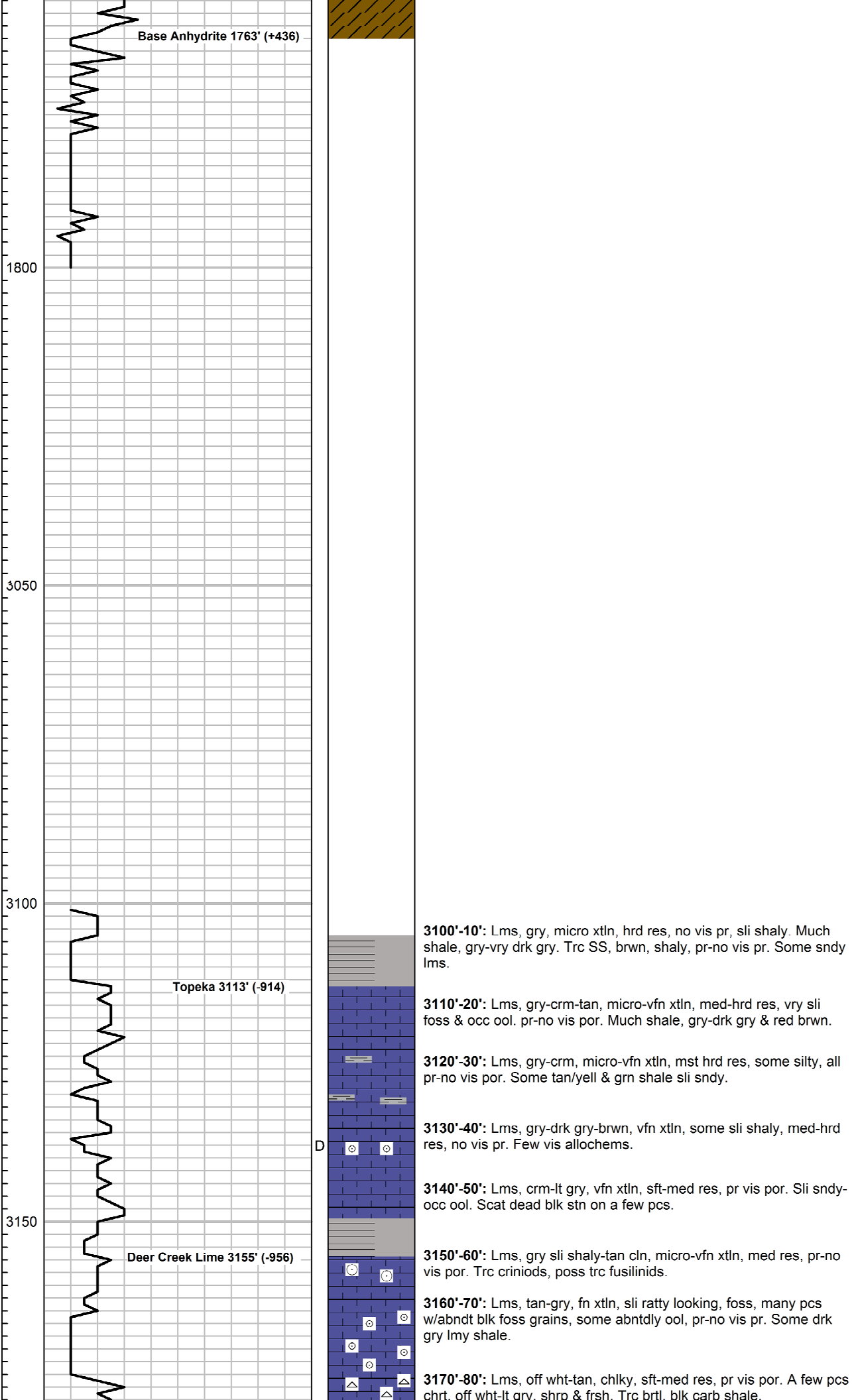
○ Spotted Stn 1 - 25 %

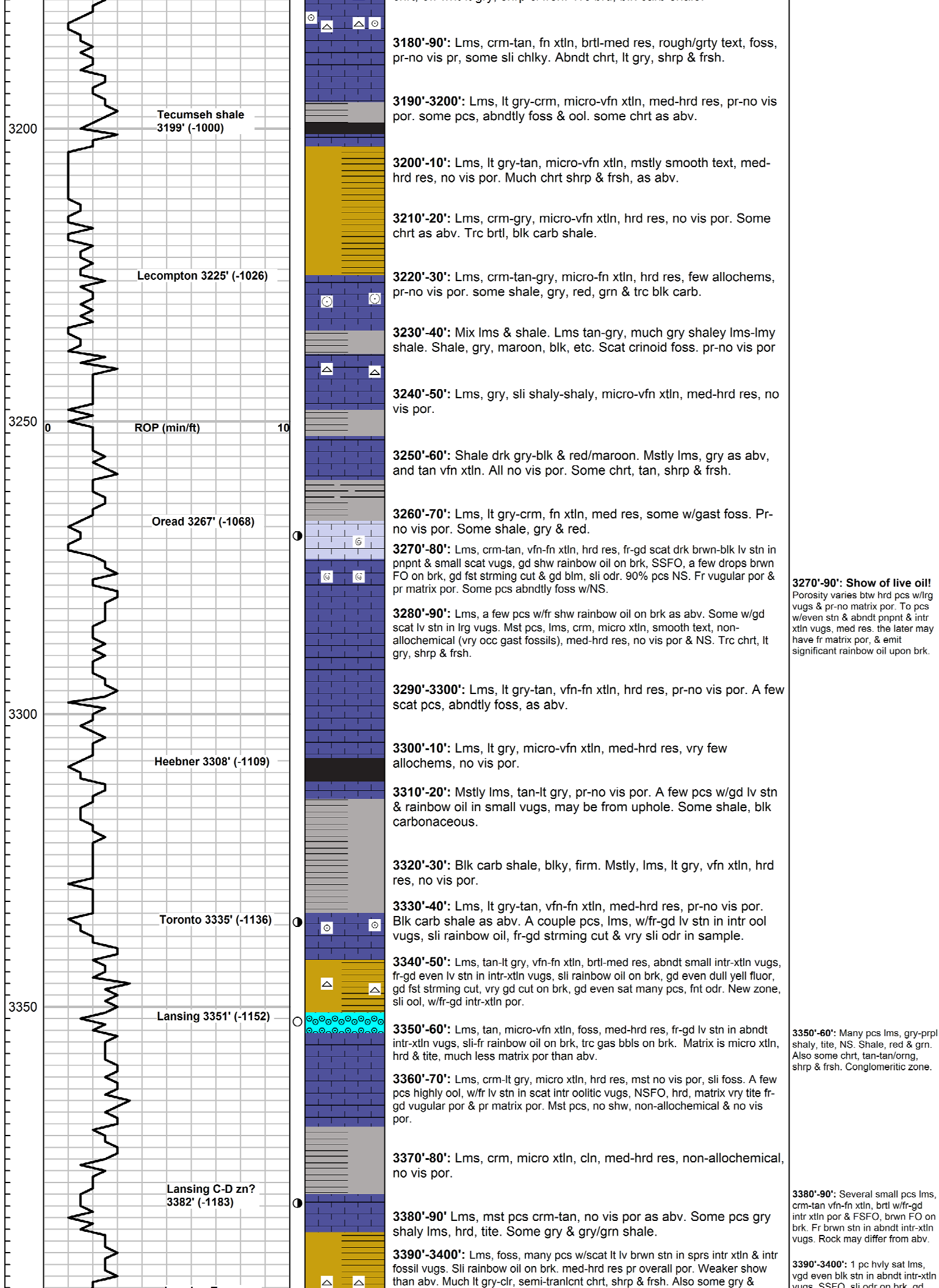
○ Questionable Stn

D Dead Oil Stn

■ Fluorescence







		CFS @ 3588' 45 min: Many loose med rnd-sub rnd qtz sand grains. A few clst highly pyritized qtz SS, med, sub ang-ang grains, tight, no vis por. 1 minute clst, SS, trc lt stn, gd strming cut. No odr.	
		CFS @ 3588' 60 min: Mstly vari-colored shale & lms from uphole. 1 pc sft, lt gry/grn shale w/abndt med sub and, qtz sand grains included. Trc pyritized SS as abv. Decrease in loose qtz grains, some w/grn gluc stn on edges.	abv. Also vari-colored shale, some blk carb shale. Some loose pyrite xtls, and trc of fn qtz sand grains loose in tray. 1 pc brwn vfn xtlm dolomite. CFS @ 3579' 45min: Lms, off-wht to crm, pyritic as abv. Med-hrd res, no vis por. Some pcs w/trc qtz snd and other grains included. Much lt gry mush in tray. Much vari-colored shale as abv. CFS @ 3579' 60 min: Mix of vari-colored shale & lms, as abv.
3650			CFS @ 3585' 15 min: Shale, gry, red-brwn, gry/grn, maroon, trc prpl. Platy. CFS @ 3585' 30 min: Shale as abv. and lms, crm-tan tight. Increase in loose qtz grains. Fn-med, mstly rnd-sub rnd; a few angular grains. NS. Trc off-wht chrt, shrp & frsh. CFS @ 3585' 45 min: Lms, lt gry, vfn xtlm, brtl-hrd res, grty-silty text, effervesses readily, occ, trc snd grains included, pr-no vis por. 1 pc dolomitic lms brwn, no vis por. Mstly shale as abv. CFS @ 3585' 60 min: Mix vari-colored shale & lms from abv. Trc loose qtz grains in tray & trc vry crs pyrite xtls. 1 pc brwn dolo vfn xtlm.

