

**Table 15a: Input values for oil accumulations in the Beaufortian Upper Jurassic Topset SE Play
NPRA Assessment Form-2001**

PLAY: **Beaufortian Upper Jurassic Topset SE**
Play area: 1795 10³ Acres

SubArea B (eastcentral) SE

OIL ACCUMULATION VOLUME PARAMETERS

ATTRIBUTES	Est Shape (1 to 5)	PROB OF AND GREATER THAN					Knowledge Level 1-3 ⁵
		LTP	0.50	0.05	Max		
NET RESERVOIR THICKNESS ¹	2	20	40	75	150	2	verified by DWH Nov 10 More distal
AREA OF CLOSURE ²	2	4	10	25	40	3	Alpine ~28,000 acres
POROSITY ^{3,4}	4	10	15	19	20	2	Deeper Left Skewed
TRAP FILL ³	7	80	100	100	100	2	Enter POR*Sw
HYDROCARBON PORE VOL ^{3,4}	4	6	11	15	16	4	
Approx mm bbl (fvf=1)		29.8	341.4	2181.9	7447.7		
Recov mm bbl at surface		8.0	92.0	588.1	2007.4		
1-thickness in feet, 2-thousands of acres, 3-percent, 4-correlation between Porosity and Water Saturation = -1.0 5-Knowledge Level: 1=High, 2=Medium, 3=Low; LTP=Left Truncation Point							
TRAP DEPTH (in 1000 ft)	2	10	11	12	14		
(from sea level)	Surface to sea level correction (1000 ft):					0.246	

1 See SubAreas Tab
modified Nov 10 - DWH
definitely a right-skewed distribution

OIL ACCUMULATION CHARACTERISTICS

Oil recovery factor %
 Type of reservoir-drive (check any that apply):
 Water: Depletion: Gas expansion:
 FVF (Formation volume factor, rb/stb): (at median depth) FVF=0.972+0.000147*F^{1.175}

Pressure(psi)	5500	P=TD*0.5*1000	TD=trap depth (thous ft), P=pressure (psi)
temp(deg F)	239	T=19*TD+30	T=temp deg F LN is log base e
SolGasGr	0.774	SGG=((0.1402*LN(C27+14.7)-0.4227)+(0.1369*LN(C28)+0.0156)+(0.1704*LN(E3 AG=API gravity	
F	1644	Uncorrected GOR=SGG*((P+14.7)*10^(0.0125*AG))/(18*10^(0.00091*T))^(1/0.83)	

F= Final GOR*(SGG/OG)^0.5+1.25*T OG=141.5/(131.5+AG)
 GOR (Associated gas to oil ratio, cu.ft./bbl, at stp): Final GOR at median depth
 Uncorrected GOR
 NGLR (Natural gas liquids to associated gas ratio, bbls/million cu.ft., at stp)= 4.5985*exp(.1711*TD) (median depth)
 Oil quality parameters:
 API gravity Oil Grav (ratio)
 Sulfur content of oil
 Associated gas quality parameters:
 Hydrogen sulfide %
 CO2 contamination %
 Other inert gases:
 Name: Percent:
 Name: Percent:

	BEGIN	PEAK	END
STRATIGRAPHIC COMPONENT (Ma)	159	154	151
STRUCTURAL COMPONENT (Ma)			

Assessor's Name:
 Date of Data Entry MM/DD/YYYY:
 Date of Simulation Run MM/DD/YYYY:

Note: only enter play name and assessor's name on Oil worksheet